

Manasvi Agrawal

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EDUCATION

Birla Institute of Technology and Science, Pilani

Bachelor of Science, Computer Science (expected honors.)

Expected graduation: 2027

CGPA: 8.89

Nalla Narasimha Reddy Group of Institutions, Hyderabad

Bachelor of Technology, Computer Science Engineering

Expected graduation: August 2026

CGPA: 8.8

WORK EXPERIENCE

DappLooker, Remote – Intern

June 2024 – August 2024

- Content Creation: Developed and published engaging technical blogs to educate and inform the community.
- Social Media Management: Managed and updated social media channels for the company and founders, driving increased engagement and follower growth.
- Community Building: Fostered a strong online community through active participation and interaction with followers.
- Partnerships: Contributed to the identification and development of strategic partnerships to expand the company's reach and influence.

Navodita Infotech, Remote - Student Intern

December 2023 – Jan 2024

- Developed a social media dashboard using Java, integrating various APIs to enhance functionality and user experience.
- Contributed to a project aimed at revamping Instagram's features and capabilities through Java programming.
- Recognized for outstanding performance and received a certificate of achievement.

Kode with Klossy – Summer Intern

June 2023

- Proficient in HTML, CSS, and JavaScript, with hands-on experience in creating responsive and dynamic websites.
- Successfully completed a website project within the given timeline, leading a team to deliver a highly functional and visually appealing user interface.
- Played a key role in developing the website's UI, ensuring an engaging and user-friendly experience.

Acropolis Industries - Engineering Intern

August 2021– September 2021

- Key role in a cross-functional project by working with the Computer/Electrical department to implement a Project that involved:
 - Assisting in the design and layout of the different circuits involved
 - Researching to identify environmentally friendly materials and technologies for the project
 - Collaborating with the engineering team to ensure the project's technical requirements were met
- Assisted in maintaining a safe working environment by adhering to safety protocols and regulations during the installation

PROFESSIONAL LICENSES/QUALIFICATIONS

- Certified Backend Developer (DevTown, GDSC, AWS, and Microsoft)
- Certified Python and Java Developer
- AWS AI/ML Scholar, winter cohort 2024
- Microsoft Startup Founder Hub, 2024

EXTRACURRICULARS

Cancer Kids First, USA(Remote)

- Volunteer work for children suffering from different forms of cancer, conducting drives while educating and guiding other volunteers and community
- Responsibilities Included:
 - Making personalized gift cards for children for different occasions
 - Making care packages.
 - Forming art books, birthday cards, etc for children worldwide
 - Interacting with the children and conducting fun activities such as movie nights

Hackathons

- **Finalist at IBMx Hackathon** – Ranked among the top 100 teams globally, showcasing innovative problem-solving skills and technical expertise.
- **Winner at 48-hour National Hackathon** – Secured 1st place in a national competition hosted by Guru Nanak Institutions, demonstrating strong teamwork and rapid prototyping abilities.
- **Top 3 at National Gen-AI Hackathon** – Recognized for delivering an impactful solution to a cutting-edge Gen-AI problem statement.
- **Smart India Hackathon 2025 Qualifier** – Advanced to the final round in the Health and Medical Science track, contributing to solutions for real-world healthcare challenges.

SKILLS

- Python, Java, C
- MERN Stack
- AI and ML
- Shell Scripting and Linux
- DevOps tools (Git, GitHub, Jenkins, Docker, Kubernetes, Selenium etc)
- Data base Servers (MySQL and MongoDB)
- Data Mining and Neural Networks
- Data Visualization for business using Power BI and Python
- Flutter Development
- Kotlin for Android
- Spring boot, JSP, JPA

PROJECTS

A few of my projects include:

- **Jarvis AI Assistant**
Developed an intelligent virtual assistant using Python, implementing libraries like **SpeechRecognition**, **NLTK**, and **Text-to-Speech**. Jarvis is capable of executing voice commands, managing tasks, retrieving information, and interacting with APIs for enhanced functionality. This project demonstrates my expertise in **Python**, **AI**, and **Natural Language Processing**.
- **Student-Course Management System**
Built a web-based application for managing student enrollments using **Java Spring Boot**, **JSP**, **JPA**, and **SQL**. Designed two core entities, *Student* and *Course*, with a robust backend architecture to handle database interactions and user requests. This project exemplifies my skills in **Java Full-Stack Development**, **Database Management**, and **MVC Frameworks**.
- **GAIN (Stock Prediction & Investment Planning Platform)**
Created an investment analysis and planning platform using the **MERN stack**, integrated with **AI/ML** algorithms for stock prediction, and added a "LearnSpace" for educational resources and a simulated "Paper Trade" account. This application leverages my expertise in **Machine Learning**, **Data Science**, and full-stack **MERN Development**.
- **Face mask detection**
A comprehensive machine learning project for detecting face masks in images or real-time video streams. This project is designed to aid in public safety efforts by identifying individuals wearing or not wearing masks using computer vision techniques.
- **Pretrained dog classifier**
Developed a dog image classification model using pretrained deep learning architectures, including ResNet18, AlexNet, and VGG16, leveraging transfer learning. The model processes images, applies necessary preprocessing transformations, and utilizes pretrained networks to predict the breed of a dog based on input images. Implemented in Python using PyTorch, the project involved loading a custom ImageNet label dictionary, applying image transformations, and optimizing the model for inference with minimal code dependencies.
- **Aerodemy**
Co-founded a platform that offers comprehensive resources to aspiring aviation students. Developed a dynamic web interface using Next.js, bootstrapped with the Next.js app framework, and deployed the platform on Vercel. The website enables prospective students to easily access information and connect with the team for personalized support in their aviation journey.