

# SHIVAM KUMAR MISHRA

NEW DELHI 110059

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**Maharaja Agrasen Institute Of Technology, GGSIPU**

**August 2023 –Present**

Bachelor Of Technology CSE : CGPA 9.1

*NEW DELHI-110086*

**Kendriya Vidyalaya Sector-12 Dwarka**

**April 2019 – May2022**

*CBSE BOARD*

*NEW DELHI-110075*

Senior Secondary School Examination : 94%

Secondary School Examination: 93%

## Experience

**DESIDOC, DRDO (MOD,Govt. of India)**

**January 2025 – March 2025**

*Intern*

*New Delhi, India*

- Researched and implemented machine learning algorithms to optimize Email Server, resulting in a 60 percent decrease in anomalous emails and a 25 percent boost in detecting spam messages detection rates.
- Utilized industry-leading tools and methodologies to conduct comprehensive Vulnerability Assessment and Penetration Testing (VAPT) on mission-critical systems. Identified and documented high-risk security vulnerabilities, leading to the implementation of key security measures. Authored detailed technical reports, presenting actionable insights and strategic recommendations for system enhancements

**Inland Waterways Authority Of India**

**September 2024 – October 2024**

*Cyber Security Analyst*

*Noida, India*

- Comprehensive Cyber Security System for IWAI: Architected a comprehensive cyber security system to protect IWAI's information assets from Cyber Threats, ensuring Data Confidentiality, Integrity, and Availability.
- Engineered a Machine Learning-based Anomaly Detection System utilizing a Random Forest Classifier Algorithm to identify Advanced Persistent Threats (APTs) and Zero Day Attacks in network traffic and systemlogs.
- Leveraged Network Traffic Analysis (NTA) and System Log Analysis to train the algorithm on a dataset of labeled threats and non-threats, enabling Real-Time Threat Detection and Incident Response to protect IWAI's information assets.

**Code Soft**

**August 2023 – September 2023**

*Machine Learning*

*New Delhi, India*

- Researched and implemented machine learning algorithms to optimize customer segmentation strategy, resulting in a 40 percent increase in targeted marketing campaign engagement and a 25 percent boost in conversion rates.

## Projects

**KISSAN SETU | Flutter, Firebase, Dart, OpenAI API, SQLite (Semi-finalist SIH'24)**

**August 2024**

- Engineered the KISSAN SETU app, revolutionizing direct farmer-to-consumer transactions with dynamic pricing and AI-driven chatbot assistant, enhancing user interaction and market efficiency.
- Architected secure payment systems and Leveraged advanced data analytics, providing actionable insights for government policy-making and fostering trust and transparency in the marketplace.

**ANVESHAN | Flutter, Firebase, Dart, OpenAI API, Google Maps API, SQLite , Android Studio**

**November 2024**

- Spearheaded the development of ANVESHAN, a sophisticated mobile application utilizing Flutter, integrating advanced geofencing, real-time GPS route management, and an AI-driven emergency response chatbot, enhancing emergency medical response efficiency
- Pioneered machine learning algorithms for predictive analysis and optimized dispatching, alongside multi-platform integration and community-based response systems, significantly improving resource allocation, patient safety, and emergency response coordination.

**Library Management System | HTML, CSS, JAVASCRIPT, PHP IDE - VS Code**

**Semptember 2023**

- Using HTML, CSS, JavaScript, and PHP, I led the construction of an extensive library management system.
- JavaScript utilized for client-side interactions and validation.

## Technical Skills

**Languages:** Python, Java, C, C++, HTML/CSS, JavaScript,Dart, SQL

**Developer Tools:** VS Code, Eclipse, Google Cloud Platform, Android Studio

**Technologies/Frameworks:** Linux,GitHub, WordPress, Flutter,Postman(APIs),pandas, NumPy ,Bootstrap, Power BI, TensorFlow, PyTorch,Git, Github

## Leadership / Extracurricular

**Google Developer Group, MAIT (Open Source Mentor)**

**August 2024 – Present**