Angad Singh

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Education

Stony Brook University	Stony Brook, NY | Aug 2024 - May 2026
Master of Science in Computer Science	***GPA***: 3.56/4.0

Coursework – Distributed Systems, Computer Architecture, Artificial Intelligence, Computational Biology

SRM Institute of Science and Technology	Chennai, India| July 2016 - June 2020
Bachelor of Technology in Computer Science and Engineering	***GPA***: 3.99/4.0 (Top 5%)

Coursework – Operating Systems, Web Application Development, Data Structures, Algorithm Design and Analysis

Skills

Languages: C#, C/C++, Python, Java, JavaScript, Bash Shell, R, SystemVerilog |**Machine Learning & AI:** NumPy, PyTorch, LLM, RAG, XAI, BERT, Pandas, RNNs, Agentic AI | **Platforms:** .NET, AWS, Azure, Google Cloud, Linux, SaaS, SOA | **Development Methods:** Agile (SCRUM/Kanban) | **Web Development:** HTML5, CSS3, React, Angular, Spring Boot, REST APIs, Node.js, Postman, Mobile Design
Technologies: Git, GitHub, GitLab, Bitbucket, SVN, SQL/NoSQL, JMS, Kafka, ActiveMQ, RabbitMQ, GraphQL, Neo4j, Docker, Kubernetes, Elasticsearch, Logstash, Kibana, Grafana, Prometheus, Firebase, Ant, Maven, Gradle, JIRA, Confluence, Terraform, JUnit, GitHub Actions, SDLC, Microsoft Office, Jenkins, CI/CD, Selenium, Eclipse, GWT, Jersey, SOAP, XML, JSON, Tomcat, Test Automation

Experience

Volante Technologies	**Chennai, India**
Senior Software Engineer	*Jan 2024 – July 2024*

- Led payment robotic process automation, cutting SaaS client effort by 85% via streamlined development and deployment testing.
- Drove end-to-end migration of a payment modeling desktop software to Java 17, fixing 15+ critical bugs to improve compatibility.
- Coordinated 2 technical reviews/week, delivered monthly demos to 3+ stakeholders, partnering with analysts on project goals.

Volante Technologies	**Chennai, India**
Software Engineer	*Jan 2023 – Dec 2023*

- Strengthened integration compliance by supporting RFC7807 Web Standards in REST Services and performing regression testing.
- Optimized runtime logging with custom exception suppression, cutting log noise by 50% and upping debugging efficiency.
- Onboarded 4 team members, providing technical training and feedback to accelerate ramp-up and enhance team performance.

Volante Technologies	**Chennai, India**
Associate Software Engineer	*Jan 2022 – Dec 2022*

- Improved efficiency by 90%, embedding properties as field-level facets to streamline JSON imports and enhance ease of use.
- Accelerated test case generation time by 95% by implementing 18 configurable properties, boosting regression coverage.
- Engineered a Dynamic REST Server API for seamless web service changes via 4 endpoints and 10+ test cases, boosting scalability.

Volante Technologies	**Chennai, India**
Software Engineer Trainee	*June 2020 – Dec 2021*

- Boosted granularity of control for 70+ clients and 3+ teams by implementing 8 REST Client settings with a UI-to-flow hierarchy.
- Achieved 100% Proto3 compatibility by migrating the Protocol Buffers plugin from Proto2, updating UI and testing serialization.

Volante Technologies	**Chennai, India**
Software Engineer Intern	*Jan 2020 – Mar 2020*

- Devised a Selenium tool to automate 3 banking workflows, reducing regression testing time by 90%.
- Collaborated in a 3-member team to secure MySQL, MongoDB, and CassandraDB connections by implementing Mutual SSL.

Projects

Explainable AI-Driven Financial Analysis Agent	*(PyTorch, LLM, Transformers, SHAP, LIME, React, FastAPI)*

- Developing an AI system for in-depth report analysis via XAI techniques, enhancing interpretability for 1000+ financial decisions.

University Workflow Manager	*(React.js, Node.js, TypeScript, Firebase, Google Cloud Platform)*

- Developing a system to streamline 20+ university enrolment workflows, enhancing responsiveness for 1,000+ users.

Distributed Transaction System	*(Java, Spring Boot, gRPC, MySQL, Paxos/PBFT, Multi-Processing, Permissioned Blockchain)*

- Architected a sharded system with 3000 clients and 9 servers enabling transaction consistency with 2-phase commit and 15 TPS.

Certifications

Google Compute Engine Specialization (GCP, 2019), **Machine Learning** (Coursera, 2019), **Data Science and Analytics** (Dell, 2018)

Achievements/Participation

Volante Technologies: Dream Team Award Recipient (2024, 2022), Certificate of Excellence (Key Contributor) (2022)
SRM Institute of Science and Technology: Technical Speaker and Panelist at 5+ SRMIST alumni events (Oct 2021 – Present)