Manas Arun Tole

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Education

Arizona State University, Tempe, AZ   *Aug 2025 - Present (Expected Aug 2027)*
Master of Science in Computer Science

- ○ **Coursework:** Foundation of Algorithms, Data Processing at scale, Cloud Computing, Machine Learning, Software Engineering

Work Experience

Senior Application Engineer   *Jul 2023 - Jun 2025*
Bajaj Allianz General Insurance Company

- ○ Engineered **5+ enterprise applications**, overseeing architecture, UI/UX, backend, and cloud deployment on AWS. **Developed** CI/CD pipelines with Jenkins and GitLab, reducing **deployment time by 60%** and **automating 85%** of workflows.
- ○ **Constructed** secure RESTful/GraphQL APIs and implemented microservices using Docker, Kubernetes, and Spring Boot, improving **data integrity by 98%**, **reducing latency by 35%**, **increasing uptime to 99.98%**, and lowering infrastructure **costs by 30%**. Mentored junior developers, **led Agile sprints**, and enhanced **code quality by 40%** using React.js, MongoDB, and Git in a full SDLC environment.

Project Intern   *Oct 2022 - Mar 2023*
ETHDC Technologies Private Limited

- ○ Developed and launched **3 full stack applications** using JavaScript, Node.js, and AWS, **reducing TTM by 50%**. Designed secure API gateways using OAuth 2.0, and rolled out Dockerized services on EC2/EKS, improving **scalability by 70%**.
- ○ Enhanced **CI/CD pipelines** and **automated** deployments with Git, Docker, and AWS. Collaborated in **Agile teams** to deliver high-quality, user-focused products with **95% client satisfaction**.

Technical Content Writer   *Mar 2021 - Nov 2021*
Geeks-for-Geeks   Profile Link ↗

- ○ Authored **15+ technical articles** on Java, Spring Boot, J2EE, and design patterns, driving **1.35M+ views**, improving search **traffic by 25%**, and earning a **4.8/5 reader rating**. Refactored **5+ legacy posts** to improve SEO, clarity, and engagement.
- ○ Collaborated with the **editorial team** to ensure technical accuracy and industry relevance; consistently delivered **peer-reviewed**, high-quality content and was recognized as a **top contributor** for backend development topics.

Technical Projects

Beyond Borders   beyond-the-borders.netlify.app ↗

- ○ **Engineered** a full-stack web platform to automate complex user workflows using Node.js, Express.js, and Firebase Auth, **reducing API errors by 35%** and ensuring secure, role-based access.
- ○ **Crafted** a responsive frontend using React.js, Tailwind CSS, and MongoDB, improving **system performance by 40%**; **deployed** on Netlify with Git-based version control and tested APIs via Postman.

Enhancement of Voting System using Block-chain   GitHub Repository ↗

- ○ Built a **tamper-proof voting system** using Ethereum and Hyperledger, with smart contracts in Solidity and Chaincode, simulating 1,000+ voters with **zero double-vote errors**.
- ○ Implemented a **decentralized application** using Web3.js, Node.js, and MongoDB, ensuring **real-time updates** via event listeners; used Truffle, Ganache, and Remix IDE for testing.

Recommendation System for E-Commerce Platform   GitHub Repository ↗

- ○ **Created** a machine learning **recommendation engine** using collaborative filtering, improving product discovery and increasing **click-through rate by 25%** during testing.
- ○ **Integrated** the model into a **full-stack application** using React.js, Node.js, and MongoDB, enabling **real-time personalized suggestions**; used Docker, Git, and Jira for deployment and collaboration.

Technical Skills

Languages & Frameworks: Java, Python, JavaScript, TypeScript, SQL, Spring Boot, J2EE, React, Angular, Next.js, Express.JS

Cloud & DevOps: AWS, GCP, Docker, Kubernetes, Ansible, Git, CI / CD, Jira, Vercel, Netlify

Databases & ML Tools: MySQL, Postgres, MongoDB, Oracle, Hyperledger, pandas, scikit-learn, TensorFlow, Matplotlib