Shantanu Joshi

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PROFESSIONAL SUMMARY

3+ years Full-Stack Developer with Java, Python, React expertise | 200+ DSA problems solved across 20+ topics | 25% productivity gains through AI automation | Recent Corpay internship developing payment systems for 200K+ users | Seeking SWE New Grad roles

EDUCATION

M.S., Software Engineering | San Jose State University, California | GPA: 3.56 / 4.00   **August 2024 - May 2026**
B.E., Computer Engineering | St. Vincent Pallotti College of Engineering, India   **August 2016 - May 2020**

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C++, SQL, HTML, CSS
Frameworks/Libraries: React, Spring Boot, Flask, Django, Express.js, TensorFlow, Scikit-learn, Pandas, NumPy
Cloud/DevOps: AWS (EC2, S3, Lambda, RDS, SNS), Docker, Kubernetes, Jenkins, Git, Linux/Unix, CI/CD
Databases: PostgreSQL, MongoDB, Redis, MySQL, Google BigQuery
Testing/Tools: Jest, JUnit, Pytest, GraphQL, Apache Kafka, REST APIs, Microservices
Specializations: Data Structures & Algorithms (200+ problems), System Design, Machine Learning

RELEVANT EXPERIENCE

Full Stack Developer Intern, Corpay, USA   **June 2025 - August 2025**
- Optimized features for full-stack payment applications with Hugo JS for static site generation, React.js for dynamic UIs, and Express.js APIs for user authentication and transaction processing (**100K+** fleet management users)
- Collaborated in sprint planning, code reviews, and system architecture discussions for API integration and payment platform enhancements

Software Developer, Daxaplus Limited, Remote   **June 2023 - May 2024**
- Proposed and prototyped AI-powered assessment features leveraging Python (Flask, OpenAI API, Pandas) and React frontend, driving 25% productivity improvement for 2,000+ monthly evaluations
- Designed and integrated Azure DevOps CI/CD pipelines with Docker containerization, orchestrating deployment processes across multiple environments

Systems Engineer - Digital, Tata Consultancy Services, India   **November 2020 - May 2023**
Client: Royal Bank of Canada (RBC)
- Engineered cross-platform MFA login using REST/SOAP APIs and OAuth 2.0 for secure access across mobile and web clients for 200K+ banking customers across the Caribbean region
- Developed RESTful APIs with Spring Boot and JPA to optimize Oracle database access while redesigning the Angular frontend with responsive UI/UX, achieving 35% faster data retrieval and 20% resource reduction
- Led Email Automation platform development, integrating Salesforce APIs via SOAP, automating banking policy communications with 95% processing time reduction and 0.5% error rates
- Spearheaded cross-team collaboration for legacy cheque processing migration to micro-services, leading a team of 4 developers to establish 12 services with OpenAPI specs, reducing processing time by 40%

Developer Intern, Mahindra & Mahindra Pvt. Ltd, India   **November 2018 - March 2019**
- Architected a sentiment analysis pipeline implementing NLP and Artificial Intelligence with VADER on social media data, enabling informed strategic decisions for brand sentiment metrics

ACADEMIC PROJECTS

Sum-It-AI Document Summarizer - Technologies Used: React.js, Express.js, AWS (Amplify, AppRunner, RDS), PostgreSQL, RAG
- Designed an enterprise document processing platform with RAG architecture and OpenAI embeddings, achieving 70% reduction in document review time

ML-Driven Analytics for Crimes in San Francisco - Technologies Used: Python, Pandas, NumPy, Scikit-learn, Matplotlib, GeoPandas, K-means, DBSCAN, GeoJSON, Silhouette Analysis
- Implemented ensemble ML algorithms on 900K+ crime records, optimizing hyperparameters to discover clustering patterns for location-based analysis

San Jose Data Insights Platform - Technologies Used: Python, Pandas, Google Cloud BigQuery, Colab, Matplotlib, Streamlit, Tableau.
- Built a traffic analytics system with BigQuery pipeline and Streamlit dashboards to identify high-risk corridors through geospatial clustering

CERTIFICATIONS & ACHIEVEMENTS

*NSD Certification in **Penetration Testing & Vulnerability Analysis** (ISAC)*
200+ DSA Problems: Systematic practice across Arrays, Trees, DP, Graphs, System Design
Led hackathon team to win Cybersecurity Prize @SJSU for community-based application
Launched weekly tech presentations on API/microservices for junior developers, establishing a knowledge-sharing culture in my team at TCS