

# Sanket Doddabendigere

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## EDUCATION

### University of Virginia

Charlottesville, VA

*Bachelor of Science in Computer Science, Minor in Data Science, GPA: 3.9*

*Expected May 2026*

**Relevant Coursework:** Advanced Algorithms, Advanced Software Development, Computer Vision, Probability, Computer Systems and Organizations, Data Structures and Algorithms, Machine Learning

## SKILLS

**Languages:** Python, Java, TypeScript, JavaScript, SQL (MySQL, Postgres, SQLite), C#, C, C++, Swift, Go, HTML/CSS, Kotlin, x86 Assembly

**Tools and Technologies:** React, Django, Angular, .Net, Node.js, Next.js, Vue, Git, GitHub, Jira, Spring Boot, AWS, MongoDB, Docker, Postman, Neo4j, TensorFlow, PyTorch, Gradle, Tailwind, FastAPI, Flask, Express

## EXPERIENCE

### Software Engineering Intern

Incoming Summer 2025

*Fannie Mae*

*Reston, VA*

### Software Engineering Intern

Jun. 2024 – Aug. 2024

*TechSur Solutions*

*Herndon, VA*

- Developed a high-performance RAG chatbot using Vue.js, TypeScript, and React, enabling USCIS support teams to extract answers from 12,000+ policy documents 75% faster and significantly reducing manual lookup time
- Designed a scalable task event microservice with Spring Boot and PostgreSQL, empowering operations and engineering teams to automate 500+ concurrent workflows and accelerate service delivery by 80%
- Improved backend reliability by integrating secure data pipelines and real-time APIs, enabling DevOps teams to proactively monitor system health, reduce downtime, and accelerate feature deployment for government clients

### Undergraduate Computer Science Teacher's Assistant

Jan. 2024 – Present

*University of Virginia*

*Charlottesville, VA*

- Managed a team of 10+ students in a software engineering course, overseeing an Agile semester-long project by conducting weekly standups, mentoring, and offering hands-on feedback on deliverables
- Led weekly standups and provided technical support to 300+ students, assisting with the integration of technologies such as Amazon S3, Django, Google OAuth, and Heroku deployment

### Software Engineering Intern

Jun. 2023 – Aug. 2023

*CargoLabs*

*Remote*

- Reengineered backend with AWS Lambda, API Gateway, and RDS (MySQL) in a serverless setup, deploying scalable microservices that cut idle costs by 75% and supported real-time quotes for 10,000+ sellers
- Rewrote the front-end using TypeScript, Next.js, React, and Tailwind, adding features like user notifications, profile personalization, and a transaction workflow to enhance usability and streamline the quoting process
- Built the seller-side quoting MVP for CoverPort by extending AWS Lambda functions, updating MySQL schema and frontend logic, which enabled a key feature that doubled revenue and secured major enterprise clients

## PROJECTS

### AI-Driven Candidate Matching Service | *React, FastAPI, LangGraph, QDrant, Twilio, Amazon S3*

- Built an AI-driven job candidate matching service with FastAPI and React, using a LangGraph agent-based pipeline with fine-tuned Hugging Face models for resume parsing and QDrant for vector-based ranking.
- Streamlined recruiter workflows through one-click personalized outreach via Twilio integration, reducing screening time by 92% and outreach time by 88%

### Cloud-Based Project Management System | *Django, Google OAuth, Amazon S3, HTML/CSS*

- Built a full-stack Django platform deployed on Heroku for 25,000+ UVA students, integrating RESTful APIs, Google OAuth, and Amazon S3 for secure collaboration and file sharing
- Designed and implemented a multi-tier user system with role-based access control, enabling student leaders in UVA student organizations to manage projects, track progress, and coordinate activities through a dynamic interface with real-time updates and feedback from 150+ users