ANMOL BARUWAL

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EDUCATION

Fisk University 2021 - 2025
Bachelor of Science: Computer Science ***GPA:*** 3.84 / 4.0

SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, C++, C, SQL, Kotlin, Swift
Web & Frontend: HTML, CSS, Sass, Tailwind, React, AngularJS, Figma, Vite
Cloud & DevOps: Google Cloud, Snowflake, AWS (Lambda, EventBridge, SNS), Docker, GitHub, CI/CD, Linux, Bash, Git
Database & Backend: MySQL, PostgreSQL, Prisma, REST APIs, OpenAI, Twilio, Pandas, Numpy, Scikit-Learn

WORK EXPERIENCE

Maroon (Nashville, TN) | *Software Developer Intern* *June 2025 - Present*

- Architecting and implementing a **real-time notification process** for an Android/iOS dating platform using **Python (FastAPI)** and AWS services **(SNS, Lambda, DynamoDB)**.
- **Owning** the full development lifecycle, from **backend API engineering** and automation testing to creating detailed technical documentation, and accelerating **product validation in an early startup**.
- Developing a comprehensive **automation suite** in Python, integrating with the **CI/CD workflow** to ensure **system reliability**.

Apple (San Diego, CA) | *Engineering Intern* *May 2024 - August 2024*

- Developed and **optimized** system software for **AirPods**, enhancing performance and stability across multiple development platforms.
- Identified and **resolved** a **critical bug in the CI/CD pipeline** that was a bottleneck for over **200 engineers**, significantly reducing build times and improving team efficiency.
- Coordinated with **5+ cross-functional** engineering **teams** to align on feature updates and ensure the timely delivery of software releases.

Vanderbilt University (Nashville, TN) | *Software Engineering Intern* *Jan 2025 - April 2025*

- **Automated IT incident management** by integrating TDX ticketing, Atlassian Statuspage, and Microsoft Teams APIs, which **reduced manual effort by 30%.**
- Designed and developed a RESTful **API-driven deduplication mechanism** that consolidated tickets, refining the resolution process.
- **Engineered** a dynamic component mapping system within an **Agile framework** to automate Statuspage updates, boosting real-time **incident transparency by 50%.**

PROJECTS

AI Profile Builder - OpenAI, React, Docker, Google Cloud, Apollo, Prisma, PostgreSQL, Vite *May 2025 - Present*

- Architected and deployed a full-stack, **serverless application** on Google Cloud, establishing an automated CI/CD pipeline with Cloud Build to ensure rapid and **reliable feature delivery.**
- Integrated the OpenAI API to **transform unstructured resumes** into **structured JSON** and intelligently rewrite content into high-impact, STAR-method achievements, directly **improving users' job application** quality.
- Built a polished, intuitive frontend with React and TypeScript, featuring a drag-and-drop uploader and **real-time feedback** to create a seamless and **engaging user experience**.

Earthquake Aftershock Prediction Model - *SQL, Pandas, GeoPandas, Numpy, AI Model, Scikit Learn* *Jan 2023 - Present*

- Engineered an **ETL pipeline** to process and **analyze large-scale** USGS GeoJSON earthquake data, preparing it for machine learning **model training**.
- **Utilized Pandas** and **GeoPandas** for feature engineering during Exploratory Data Analysis **(EDA)** to classify earthquakes as mainshocks or aftershocks.
- Achieved **83% prediction accuracy** by implementing and validating **SVM and Logistic Regression** models.

HONORS & AWARDS

Apple HBCU Scholar *2024*
Provost Scholar - Fisk University (Full-Tuition Scholarship) *2023-2025*
Goldman Sachs Market Madness Scholar (Selected from +1000 applicants for a semester-long case-study program) *2024*
Britton C. McCabe Scholastic Award (Awarded to high-achieving students) *2023*