Het Koradia

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Education

Texas A&M University *4.0/4.0 GPA*   College Station, TX
Bachelor of Engineering in Computer Science, Minor in Statistics   *Aug. 2023 – May. 2027*
- **Coursework:** Data Structures & Algorithms, Computer Architecture, Programming Languages, Machine Learning, Computer Graphics, Linear Algebra

Technical Skills

Languages: Python, C++, JavaScript/TypeScript, Java, Swift, SQL
Frameworks/Tools: React, Node.js, Express, Docker, Angular, AWS, (EC2, S3), Git, Flask, Jenkins, Jira, Postman, Databricks
Databases: PostgreSQL, Firebase, SQLite, S3
Concepts: Web Services, Spark, Agile, REST APIs, JWT Authentication, CI/CD, ORM (Prisma)

Experience

Software Engineering Intern (TIP)   June 2025 – Aug 2025
Capital One   *New York, NY*
- Engineered Databricks SQL cost monitoring platform enabling 100+ internal users to analyze query spend across workspaces, warehouses, and custom timeframes, reducing manual cost analysis time by 70%.
- Implemented anomaly detection pipelines to detect 10x cost spikes, triggering instant Slack and email alerts to service owners and mitigating unexpected cloud overspend.
- Delivered interactive dashboards with warehouse and time-based filters, simplifying financial investigation for teams.
- Assisted in coordinating responsibilities and facilitated weekly team meetings to review progress, share knowledge, and align on strategies and techniques for successful project completion.

Software Engineering Intern (TEIP)   June 2024 – Aug 2024
Capital One   *McLean, VA*
- Led the intern team by setting clear guidelines and establishing a structured timeline, fostering effective collaboration and enabling completion of the first project iteration within 3 weeks.
- Designed and implemented an Angular-based case selection system for frontline associates, enabling dynamic selection of case types and subtypes, and reducing dependency on manual manager intervention.
- Integrated with existing APIs to streamline case assignment, empowering associates to prioritize work and improving operational flexibility, eliminating 18+ hours of manual work per week.
- Leveraged Agile methodology and Google Analytics to drive iterative improvements and provide actionable insights.

Organizational Involvement

TAMU Datathon   March 2023 – Present
Software Dev Team Co-Lead   *Texas A&M University*
- Contributed to event platforms and technical projects for the largest data science hackathon at Texas A&M University.

Undergraduate Teaching Assistant   August 2024 – Present
Department of Computer Science   *Texas A&M University*
- Lead class sessions and guided students through core computer science concepts, reinforcing lecture material and facilitating hands-on learning and provided one-on-one support during office hours

Projects

Connect Campus | *Docker, AWS, Next.js, Tailwind CSS, PostgreSQL, REST API, OpenSSL*
Website: `housing.camus.website`   Dec. 2024 – Present
- Built full-stack housing platform used by 100+ TAMU students to sublease and find roommates, with responsive UI.
- Architected backend using Node.js, Express, PostgreSQL, and secured with JWT authentication.
- Deployed with Dockerized containers on AWS EC2, enabling scalable and maintainable production workflows.

DIY Security System | *OpenCV, Raspberry Pi, Python, Computer Vision, REST API*   July 2023 – June 2024
- Engineered Raspberry Pi-based security system with integrated camera capturing real-time image feeds.
- Leveraged Python and OpenCV for object detection and continuous image analysis.
- Automated cloud backups by integrating Google Drive API for instant uploads.

Goalify - Social Goal Tracking App | *React Native, JavaScript, REST API, PostgreSQL*   Dec. 2023 – Feb. 2024
- Developed full-stack mobile app with React Native to track user goals, friends, and progress.
- Integrated REST APIs with PostgreSQL to manage user profiles, relationships, and goal history.
- Implemented JWT-based authentication for secure login and data privacy.

AeroAdvice: Built a React + Node.js web app giving personalized vacation suggestions with ML and AI.
URL Shortener: Built a React + Node.js web app with Firebase backend for instant URL shortening and redirection.
E-Voting Android App: Engineered Java-based Android voting app with OTP verification and SQLite-backed data storage.
Ocean Odyssey Game: Designed Java Swing platformer game with custom character animation, AI enemies, and level design.