

# Sandeep Kandrigi

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## EDUCATION

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### Texas A&M University

Bachelor of Science in Computer Engineering (GPA: 3.8/4.0)

- Dean's Honor Roll, Distinguished Student, AP Scholar with Distinction & Honors

May 2026

College Station, TX

## EXPERIENCE

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### Founder & CTO

*Radar*

- Engineered **100+** user **Flutter** and **Dart** mobile app, released on Apple App Store and Google Play Store
- Created a payment processing **REST API** endpoint with **Firestore** cloud functions and **Stripe API**
- Utilized **MVC design patterns** to launch mobile app from design to deployment leading **2** engineers

June 2024 - Present

College Station, TX

### Software Developer Intern

*Radical AI*

- Constructed backend of AI Teaching Assistant chatbot with **Node** and **OpenAI API**
- Integrated **RAG** for external knowledge retrieval, leveraging **LangChain**, **Firestore**, and **Pinecone**
- Reduced API response times by **25%** by developing endpoints for quick actions using **Node** and **ExpressJS**

May 2024 - August 2024

New York, NY

### Technical Director

*TAMUhack*

- Amassed **10K+** visitors by developing websites for the largest Texas student-run hackathon with **850+** attendees
- Implemented internal dashboard for organizers to quickly access day-of information with **React** and **PostgreSQL**
- Facilitated backend development of registration system with **5K+** users built in **Django** and **Python**

October 2023 - Present

College Station, TX

### Software Engineering Intern

*UBS Technologies*

- Built software for a cloud computing company in Texas with multiple Fortune 500 clients
- Reduced latency by **30%** of analytics dashboard backend using **AWS Lambda** and **AWS API Gateway**
- Deployed **99%** uptime containerized applications running **Docker** with **Kubernetes** on **AWS**

May 2023 - August 2023

Dallas, TX

## PROJECTS

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### TumorClass | *Python, PyTorch, Tensorflow, Streamlit*

- Utilized **ViT (Vision Transformer) model** to detect lung cancer in histopathological images
- Trained and deployed machine learning model on full-stack platform with **PyTorch**, **Python**, and **Streamlit**
- Employed **TensorFlow's** TensorBoard toolkit and **Matplotlib** for advanced data visualization
- Achieved **99.63%** image classification accuracy with **scikit-learn** gradient boosting algorithm

May 2024

### motion. | *Svelte, TypeScript, Tailwind CSS, Firebase, NotionAPI, OpenAI*

- Won **2nd place in Education Technology track** at the Build4Good 2024 hackathon
- Developed web application that generates interactive quizzes from students' study materials
- Created real-time, multi-user quizzes from users' Notion pages with **NotionAPI**, **OpenAI**, and **Firestore**
- Engineered interactive frontend using **Svelte**, **TypeScript**, **React**, and **TailwindCSS**

March 2024

### Reveille Rewards | *React, Django, Python, PostgreSQL*

- Won **1st place in Small Business track** at the HowdyHack 2023 hackathon
- Engineered backend of Reveille Rewards, a full-stack application promoting small businesses
- Increased text extraction accuracy by **20%** by incorporating OCR with **Tesseract.js** for image scanning
- Integrated transaction module with real-time point updates leveraging **Django** and **PostgreSQL**

September 2023

## SKILLS

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**Programming:** (Proficient): TypeScript, Java, C++, SQL, Shell, Dart, Verilog (Experienced): Python, JavaScript

**Frameworks:** React, Next.js, LangChain, HTML5/CSS3, Django, Svelte/SvelteKit, Node, ExpressJS, Flutter

**Tools:** Amazon Web Services, Kubernetes, Pinecone, Docker, PostgreSQL, MongoDB, Firebase, Git, VSCode

**Concepts:** AI, ML, RAG, RESTful APIs, Cloud Computing, Backend Development, Agile, CI/CD, Microservices