

Anand Raju Palukuri

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EDUCATION

University of Utah, School of Computing - B.S. in Computer Science

Dec 2025

Salt Lake City, UT

Relevant Courses: Algorithms & Data Structures, Object-Oriented Programming, Database Systems, Distributed Systems Concepts, Foundations of Data Analysis, Machine Learning, Software Practices, Data Visualization, Human-Centered Design, Discrete Mathematics, Computational Geometry, Image Processing, Ethics in Data Science, and Linear Algebra.

University of Utah Dean's List - 2 semesters

TECHNICAL SKILLS

Languages: Java, Python, C#, JavaScript, SQL, C++, C, GO, Kotlin.

Backend & APIs: Django, RESTful API Design, Data Validation, Gemini API, Google Maps API, Scalable API Design.

Databases: MySQL, AWS RDS, SQL Server, Schema Design, Data Modeling, Oracle Cloud, Firebase, LINQ.

Cloud & Infrastructure: AWS (S3, RDS), CI/CD, Distributed Systems Fundamentals.

Tools & Practices: Git, Agile (Scrum), Code Reviews, Testing, Security-Aware Development.

EXPERIENCE

Coordinare, Inc. | Software Engineer

Aug 2024 – Dec 2024

- Created a contract-generation system with 4 distinct contract templates, each handling up to 7 parties, and streamlining workflow, which led to a 50% reduction in time when making contracts.
- Spearheaded the creation of robust data transformation processes that convert uploaded DOCX files into both PDF and Word formats with 15% in generation time.
- Developed backend logic using C#/.Net emphasizing correctness, extensibility, and predictable system behavior in production.
- Researched and integrated 15+ third-party APIs, selecting services based on reliability, latency, and operational stability.
- Collaborated closely with stakeholders through sprint reviews and iterative testing, reducing QA cycles by 30%.

PROJECTS

G-Share - Full-Stack Web Platform

Jan 2025 – Dec 2025

Django, MySQL, JavaScript, Tailwind CSS, AWS S3, Google Maps API, Gemini, D3.js

- Led development of a scalable backend platform supporting group carts, shared orders, and real-time delivery coordination.
- Orchestrated the creation of RESTful Django APIs coupled with transactional MySQL workflows, achieving a 20% reduction in data inconsistencies across orders, deliveries, and user accounts.
- Established secure cloud storage pipelines using AWS S3 for receipt images and user uploads.
- Integrated Gemini-assisted receipt parsing and validation workflows, including a chat system before finalizing transactions.
- Optimized queries and data models to improve backend performance, leading to 30% faster Google Maps rendering.

Android Malware Detection - Machine Learning Pipeline

Feb 2025 – Apr 2025

Python (NumPy), Scikit-Learn

- Designed and implemented a backend data pipeline processing high-dimensional system-call data (360 features).
- Integrated Logistic Regression, SVM, and Random Forest classifiers into a custom ensemble model; reduced model training time by 35% and improved precision by 7%.
- Achieved 91.98% test accuracy with reproducible evaluation and interpretable results.

Learning Management System

Apr 2024 – May 2024

MySQL, C#, LINQ

- Orchestrated a normalized relational schema, enabling role-based data secure access control for 3 distinct user roles.
- Implemented backend SQL and LINQ queries to power data access and enforce authorization rules.
- Improved data integrity via constraints and validation, cutting retrieval inconsistencies by 10%.

Startup Visualization Dashboard

Nov 2024

JavaScript, D3.js, HTML, Python

- Processed and normalized public datasets using Python to ensure accuracy and consistency.
- Built interactive dashboards with responsive D3.js visualizations supporting drill-downs and hover-based exploration.
- Applied accessibility and HCI principles, including colorblind-safe palettes and semantic navigation.