Shravan Karande

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Education

Arizona State University, Barrett, The Honors College — Tempe, AZ
Bachelor of Science in Computer Science, Minor in Data Science — *May 2026*

- **GPA:** 3.78/4.0
- **Achievements:** Dean's List 2022–Present, New American University Scholarship, Honors Project Fund
- **Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Database Management, Artificial Intelligence, Machine Learning, Data Visualization, Human-Computer interaction

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, C/C++, SQL, Dart, Bash, HTML/CSS
Frameworks: React.js, Node.js, Express.js, Django, Flask, FastAPI, Flutter, Tailwind CSS, Bootstrap, JUnit
Databases: PostgreSQL, MongoDB, MySQL, Firebase, H2 SQL
Tools: Git, GitHub, Docker, GitHub Actions, Postman, Linux, npm, Amazon Web Services (AWS)
Engineering: REST APIs, JWT Authentication, CRUD, Agile/Scrum, Unit Testing, Debugging, CI/CD

Experience

Software Engineering Intern, Founding Team — Aug. 2025 – May 2026
OrgPath — *Remote*

- Engineered **RESTful Node.js services** with **PostgreSQL data models**, authentication, access control, and validation logic for **100+ employee records**, improving succession planning workflow efficiency by **40%**.
- Containerized frontend and backend services with **Docker** and supported **CI/CD workflows** with automated tests, logging, and error handling across development and deployment environments.
- Built **React/Tailwind dashboards** to surface KPI trends, performance data, and promotion-readiness views, validating iterative feature releases with founders and stakeholders.

Software Engineering Intern — May 2025 – Jul. 2025
Medicover — *India*

- Built a **Django/PostgreSQL web application** with REST endpoints and Django views to process Excel uploads, validate records, and store cleaned data for internal company workflows.
- Implemented **automated tests** for upload parsing, validation rules, and database writes, reducing manual review workload by **75%** and cutting processing time from **2 hours to under 30 minutes**.
- Developed responsive **HTML/CSS/Bootstrap** interfaces for internal users, reducing data entry errors by **50%** and improving record review speed before records entered downstream processing pipelines.

Full-Stack Developer - Browser-Use Track Winner — Dec. 2025
DevHouse SF 2025 — *San Francisco, CA*

- Built **Inboxer**, a full-stack Gmail automation tool with **Python/Flask REST APIs** and a **React** frontend, processing **200+ emails per session** for inbox cleanup workflows.
- Implemented reusable **modular Flask REST endpoints** with structured JSON validation, logging, and error handling to classify emails and execute unsubscribe/delete actions reliably.
- Used **Git/GitHub** for rapid version control and iterative development, reducing manual inbox cleanup time by **80%** and earning **Browser-Use Track Winner** recognition.

Projects

Adaptive Cognitive Training System | *Undergraduate Thesis, React, TypeScript, Vite* — Aug. 2025 – May 2026

- Engineered a **React/TypeScript** game engine and performance tracker across **6 training modules**, capturing accuracy, response latency, cue levels, interval progression, and signal-detection metrics.
- Integrated a **bounded external API** with schema-validated JSON parsing and rule-based difficulty logic, improving pilot session accuracy by **12%** and reducing performance variance by **15%** across validated user trials.

Secure Task Management Platform | *React, TypeScript, Node.js, PostgreSQL, JWT, bcrypt* — Feb. 2025

- Designed **RESTful Node.js APIs** with **JWT authentication**, bcrypt password hashing, and protected middleware to secure user registration, login, and task operations.
- Built a React/TypeScript frontend with drag-and-drop task prioritization and a productivity dashboard backed by PostgreSQL, implementing CRUD workflows, input validation, and error handling for **multi-user task records**.