G CHETHAN AKASH

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 LinkedIn | GitHub | Portfolio

ABOUT ME

Undergraduate software engineering student with hands-on experience building full-stack and AI-powered applications, contributing in Agile/Scrum teams, and rapidly adapting to new systems and tools.

TECHNICAL SKILLS

- **Core CS Foundations:** Data Structures & Algorithms, Operating Systems fundamentals, Relational Databases (SQL, indexing, joins)
- **Languages & Frameworks:** C, C++, JavaScript, SQL, React, React Native, Node.js, Express, HTML5, CSS3, Tailwind
- **Software Engineering Practices:** Agile/Scrum workflows, Git-based collaboration & PR reviews, RESTful API design, Authentication & Authorization (JWT, RBAC)
- **AI & Data Engineering:** Prompt Engineering, Model Evaluation (Supervised Learning), Scalable Data Preprocessing with Apache Spark
- **Tools:** Git, GitHub, VS Code, Vercel, Render, PostgreSQL
- **Interests:** Agentic AI, RAG Systems, Finance, Entrepreneurship

PROJECTS

Student Task Management Web Application   Repo
Tech: React, Node.js, Express, PostgreSQL

- Created responsive React-based components utilizing a Scrum-based methodology, working in a two-week sprint cycle, attending daily standups, and sprint review meetings.
- Integrated backend REST API with role-based access control and JWT-based authentication.
- Created and executed a PostgreSQL schema for a relational database, complete with normalized tables and indexed queries.
- Resolved Collaborator Pull Requests, Conflicting Merges, and Collaborative Workflows with Git.
- Demonstrated validated features through internal test cases and walkthroughs.

AI-Powered Contract Generator   Repo
Tech: JavaScript, Node.js, OpenAI API

- Created an AI-powered program that uses user input to create structured contracts in the legal style.
- Prompts were created and improved to decrease hallucinations and increase output consistency.
- To guarantee organized and secure responses, output validation and sanitization were put into practice.
- Handled request/response workflows securely and integrated external AI APIs.
- For sensitive inputs, basic data handling and compliance considerations were applied.

Predictive Analysis for Smart Agriculture   Repo
Tech: Python, Apache Spark, Machine Learning

- Utilized structured agricultural datasets to create supervised machine learning models.
- Used Apache Spark to carry out feature engineering and scalable data preprocessing.
- Compared performance across methods and assessed models using common metrics.
- Obtained hands-on experience with large-scale data handling and machine learning pipelines.

Airath Company Website   Repo
Tech: React, Node.js, Database

- Created a full-stack website that supported basic e-commerce processes and product browsing for a startup.
- Contributed to the integration of backend APIs and frontend user interface components.
- Worked together with teammates to convert product specifications into technical features.
- Before deployment, I took part in UI reviews and iterative testing.

Vakya Sangam – Language Learning Mobile App   ⌭ Repo
Tech: React Native

- Created mobile UI elements by utilizing React Native, ensuring good usability and validation.
- Integrated API to support dynamic content and user interactions.
- Worked in a team environment to develop features within specific timeframes.

EXPERIENCE

Sarvagya Nirakar Community   **Jul 2025 – Sep 2025**
Frontend Developer Intern   🗋 Letter of Recommendation

- Developed responsive React components, worked in a Scrum team, and integrated backend APIs to implement role-based access control and JWT-based authentication.
- Conducted unit testing and collaborative code reviews to ensure UI consistency across multiple browsers.
- Translated Figma designs into high-performance, reusable React components using Tailwind CSS.

EDUCATION

SRM Institute of Science and Technology   **Aug 2023 – Present**
B.Tech – Computer Science (Cloud Computing)   *CGPA: 9.07 / 10*

Narayana Junior College   **2023**
Class XII – MPC   *Percentage: 90.7%*

CERTIFICATIONS

- **Oracle Cloud Infrastructure 2025 Certified Generative AI Professional**   [View]
- **Oracle Cloud Infrastructure 2024 Foundations Associate**   [View]
- **NPTEL Database Management System**   [View]
- **Mobile App Development Internship (Sarvagya Nirakar)**   [View]

POSITIONS OF RESPONSIBILITY

Airath Innovations Pvt. Ltd.   **Sep 2025 – Present**
Technical Lead

- Researched 7+ competitor platforms, benchmarking product flow, UI systems, and market gaps.
- Designed and built the complete landing page and dashboard layouts (in progress) with one teammate, covering 15+ core screens.
- Orchestrated weekly technical syncs to align frontend development with business goals and founder vision.