

Aashish Nandakumar

☎ +91 8431354153 | @ aashishnkumar@gmail.com | 🔗 LinkedIn | 🐙 GitHub | 📍 Bangalore, India

SUMMARY

Innovative and results-driven software engineer with a strong foundation in computer science and hands-on experience in software development. Adept at designing and implementing scalable and efficient software solutions. Proven track record in project management, team collaboration, and problem-solving. Passionate about leveraging cutting-edge technologies to drive business growth and efficiency. Eager to contribute to a dynamic and innovative team at a leading tech company, bringing a commitment to excellence and continuous learning in the field of software engineering.

EDUCATION

RNS Institute Of Technology

*B.E. in Computer Science and Engineering; **SGPA: 9.41/10***

Bangalore, India

Jan 2022 – May 2025

Composite City PU College

*Pre-University; **Percentage: 94%***

Bangalore, India

April 2019 – May 2021

PROJECTS

Power Grid Optimization using Prim's Algorithm | [GitHub](#)

- Developed an algorithm to optimize 400kV power transmission lines for Karnataka Power Corporation Limited, using Prim's Algorithm and GIS data.
- Reduced total transmission line length by 43.6 %, resulting in an estimated cost saving of \$1.8 million.
- Utilized GIS tools and JavaScript-based Leaflet for data visualization and interactive mapping, enhancing grid efficiency and resilience.

Revolutionizing Supply Chain Management with ChainLink | [GitHub](#)

- Developed ChainLink - blockchain based decentralized supply chain management system, enhancing operational transparency and efficiency
- Implemented Ethereum smart contracts for real-time tracking, reducing supply chain errors and fraud by over 30% over the traditional approach.
- Built a user-friendly interface using NextJS, resulting in a 40% increase in supply chain process efficiency and user engagement.

Finance Manager Application Development | [GitHub](#)

- Designed and developed a Java and JavaFX-based Finance Manager application, facilitating efficient personal and business financial management.
- Implemented robust features including transaction tracking, item updates, and monthly financial report generation, improving financial oversight.
- Addressed key non-functional requirements such as application security, usability, and performance, ensuring a reliable and user-friendly experience.

Blockchain-Based Government Document Management | [GitHub](#)

- Developed a blockchain simulation in C to enhance the security and efficiency of government document distribution and storage.
- Implemented RSA encryption for secure data transmission, significantly improving document confidentiality and access control.
- Utilized smart contracts for automated document distribution, resulting in a 25% increase in process efficiency and reduced operational risks.

TECHNICAL SKILLS

Languages: C, C++, Java, Python

Web Development: HTML, CSS, JS, NextJS, Django

Database Management: PostgreSQL

Blockchain Technologies: Ethereum, Solidity, Smart Contracts

Development Tools: Git, Docker