

# Aashish Nandakumar

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## EDUCATION

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### RNS Institute Of Technology

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

Bangalore, India

*Jan 2022 – May 2025*

### Composite City PU College

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

Bangalore, India

*April 2019 – May 2021*

## PROJECTS

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

- Engineered an innovative solution for Karnataka Power Corporation Limited, optimizing 400kV power transmission lines by leveraging Prim's Algorithm in conjunction with advanced GIS data analysis.
- Reduced total transmission line length by 43.6 %, resulting in the cost savings of crores of rupees.
- 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 as compared to the traditional approach.
- Built a user-friendly interface using NextJS, resulting in the 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.

## TECHNICAL SKILLS

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**Languages:** C\*, C++, Java\*, Python\*

**Web Development:** HTML, CSS, JS, ReactJS\*, Django(MVT)\*

**Database Management:** PostgreSQL\*, MySQL

**Miscellaneous Technologies:** Ethereum\*, Solidity\*, AWS\*

**Development Tools:** Git, Docker

\*Certified

## PUBLICATIONS

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- Aashish Nandakumar and Dr. Kiran P. (June 2023) **Government document distribution and storage using Blockchain.** *India, IIR* [\[Link\]](#)
- Aashish Nandakumar and Dr. Kiran P. (Under Review) **Power Transfer Optimization using Prim's Algorithm.** *India, IIR* [\[Link\]](#)