

# Kumar Chandra Sheo Shankar

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## EDUCATION

### Maulana Abul Kalam Azad University of Technology

Bachelor of Technology in Computer Science and Engineering

India

Aug. 2017 – July 2021

## EXPERIENCE

### Software Engineer

Nov. 2021 – Feb. 2024

Tata Consultancy Services

Bangalore

- Developed a dashboard that enabled data-informed decision-making, leading to a 15% increase in customer satisfaction
- Created an innovative full-stack solution leveraging React for the frontend and PostgreSQL with Node.js on the backend; optimized system performance to handle 3x higher user volume during critical operational hours.
- Led a team of developers to migrate a legacy system to a modern, cloud-based platform, resulting in a 20% reduction in operational costs

### Full-Stack Developer Intern

Jan. 2021 – Feb. 2021

Coding Club India

Remote

- Implemented a high-impact Testimonial section in React, driving a 40% increase in user engagement by enabling real-time feedback submission and display
- Optimized the back-end to reduce page load times by 300 milliseconds
- Added an interactive system for displaying course content which streamlined information delivery, this initiative reduced inquiry response times by 30%

## PROJECTS

### Payments App | Next, typescript, Node.js, Postgres

Oct. 2024 – Dec. 2024

- Deployed a payments app with features to add money and perform peer-to-peer (P2P) payments through wallet
- Integrated secure Login feature with bcrypt and Next Auth
- Optimized API handling to ensure seamless processing of 10000s of wallet and P2P payments during peak traffic.

### Blogging website | React, typescript, Node.js, Postgres

Aug. 2024 – Sept. 2024

- Designed a blogging platform where everyone can explore all blogs, publish and read over 1000's of blogs
- Implemented secure Login and Sign-up features with JWT, ensuring reliable authentication and data security.
- Users can explore the list of most popular blogs
- Empowered admins with the ability to manage blog content by seamlessly adding and editing blogs over 500 blogs

### YouTube clone | React, Typescript, Node.js, Next.js

June 2024 – July 2024

- Launched a social vlogging platform that empowered creators to upload videos, boosting interaction by 40% in the first month.
- Browse trending videos, search, and stream your favorites instantly
- Delivered 30% faster, intuitive UI, ensuring smooth performance on desktop and mobile

### Apparel Product Recommendation Engine | Python, Bow, TF-IDF, Word2Vec, NLP

May 2024 – June 2024

- Developed a content-based recommendation system using NLP techniques like TF-IDF, tackling key user experience challenges with insights from feedback
- Enhanced product recommendations using the Amazon Product Advertising API, boosting conversions by 30%.

## CERTIFICATE

### Google Associate Cloud Engineer Certification

May 2023 – May 2026

## TECHNICAL SKILLS

**Languages:** C/C++, JavaScript, Typescript, Python

**Frameworks:** React, Node.js, Next.js, Turbo repo, Express, Hono

**Libraries:** pandas, NumPy, Matplotlib, Express, Zod, Axios

**Data Science:** NLTK, NLP, Standard ML Algorithms (Regression, Classification, Clustering)

**Databases:** Postgresql, MySQL, OracleDB

**Developer Tools:** Git, Docker, Google Cloud Platform