

# Atikur Satter Mondal

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## Profile

A results-driven Full-Stack Developer with expertise in **Angular, React, Node.js, Express.js, and PostgreSQL**. Passionate about building scalable web applications, integrating **real-time WebSockets**, **encryption mechanisms (AES-256-GCM)**, and optimizing API performance. Experienced in leading projects, including **KYC solutions, AI/ML dashboards, and video-based verification systems**. Adept at collaborating with cross-functional teams to deliver high-performance, secure, and user-centric applications.

## Education

**The University of Burdwan**

*Bachelor of Computer Science GPA: 8.39, A+*

July 2018 - July 2021

*Singur, Hooghly, West Bengal*

## Experience

**Jukshio Technology Innovation Private Limited**

*Research & Development Engineer I*

Dec 2021 – Present

*Hyderabad, Telangana*

- Developed and optimized multiple large-scale applications, including KYC and AI/ML data curation dashboards, using Angular, React, Node.js, and PostgreSQL.
- Enhanced security by implementing AES-256-GCM encryption and symmetric/asymmetric decryption, ensuring secure data transmission and storage.
- Integrated real-time communication using WebSockets, improving user interactions in video KYC and live agent-customer connections.
- Led the development of an AI/ML curation dashboard used by 400-500 users daily, improving data accuracy for machine learning model training.
- Optimized database queries and implemented pagination, reducing dashboard load times and improving user experience.
- Collaborated with cross-functional teams, translating business requirements into scalable, high-performance applications.

**Sukshi Academy**

*Frontend Developer Intern*

Aug 2021 – Nov 2021

*Hyderabad, Telangana*

- Completed intensive training on frontend development fundamentals, including HTML, CSS, JavaScript, TypeScript, and Angular.
- Developed the frontend for an AI/ML-based project, translating Figma designs into a fully functional UI using Angular, Bootstrap, and REST API integration.
- Collaborated with backend and AI/ML teams, ensuring seamless data flow and UI/UX consistency for the project.
- Contributed to the successful completion of the project, assisting the team in deploying the application end-to-end.

## Projects

**KYC Application** | *Angular, Angular Material, Bootstrap*

- Led the development of a digital KYC solution for organizations like Manappuram and Muthoot, transforming the manual process into a seamless online experience.
- Implemented an intuitive user interface based on Figma designs, allowing users to upload and verify KYC documents (Aadhaar, voter ID, DL, passport) with front and back captures.
- Developed integrations with Go-based APIs to perform document verification, including face matching and name validation, ensuring compliance with regulatory standards.
- Designed and managed global data handling across the application to maintain consistent and accurate user information throughout the KYC process.
- Built a flexible data submission system, allowing users to submit KYC data in customer-specific structures, optimizing for various organizational needs.

**Customer KYC Dashboard** | *Angular, Angular Material, Bootstrap, Chart.js, Node.js, Express.js, PostgreSQL, GCP*

- Developed a robust KYC dashboard for tracking and analyzing customer verification data, enhancing transparency and efficiency in the onboarding process.

- Implemented an Overview Page with date-filtered KYC transaction counts, line graphs, latest 20 transactions, and a breakdown of success/rejected/incomplete cases.
- Designed an Onboarding History Page to provide paginated transaction details, customer verification steps, failure reasons, and document images for a comprehensive audit trail.
- Built an Analytics Page featuring multiple graphs to display API-wise transaction data, success/failure breakdowns, and validation tools for clients to cross-check invoices.
- Integrated AES-256-GCM encryption and symmetric/asymmetric decryption to ensure secure data transmission and storage.
- Optimized backend performance with Node.js, Express.js, and PostgreSQL, leveraging GCP for scalable storage solutions.

#### **Video KYC Application** | Angular, React.js, WebSocket, Node.js, PostgreSQL, GCP, Video SDK Live

- Developed a multi-role Video KYC platform with separate dashboards for agents, customers, auditors, and admins to streamline digital KYC verification.
- Integrated Video SDK Live for seamless real-time video calls, enabling agents to verify customer identities without building in-house video infrastructure.
- Implemented Admin Dashboard for managing agents, allocating calls, and assigning auditors for review.
- Built Agent Dashboard allowing agents to mark availability, handle live KYC calls, capture customer face liveness and PAN images, and store video recordings securely in GCP.
- Created Auditor Dashboard to review full KYC journeys, analyze face matching and document validation via Go APIs, and approve/reject transactions.
- Designed Customer Interface (React.js) where users can fill in personal details via DigiLocker or manual forms, initiate video KYC, and interact with agents.
- Engineered WebSocket-based real-time communication to handle agent-customer video calls, connection status, and session events, ensuring low-latency interactions.
- Developed a Node.js/Express.js backend to manage KYC data, process video call sessions, handle encrypted document storage in GCP, and maintain smooth API operations.

#### **AI/ML Curation Dashboard** | Angular, Bootstrap, Node.js, PostgreSQL, GCP, Azure, AES-256-GCM Encryption

- Developed an internal data curation dashboard used by 400-500 users daily in shifts to improve AI/ML model training accuracy while ensuring data security with AES-256-GCM encryption.
- Designed a role-based login system enabling users to select specific data categories for visualization and review.
- Integrated GCP and Azure storage to securely fetch and display KYC-completed customer data, ensuring compliance with encryption standards.
- Built interactive UI components for reviewing and flagging incorrect data points, ensuring higher accuracy in ML model training.
- Implemented Node.js REST APIs for handling data retrieval, processing, and securely storing flagged records in PostgreSQL with symmetric/asymmetric encryption.
- Enhanced data analytics capabilities, allowing the analysis team to refine ML models while maintaining secure access to curated data.

## **Technical Skills**

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**Languages:** HTML, CSS, Javascript, TypeScript, SQL

**Frameworks & Libraries:** Angular, React JS, Bootstrap, Angular Material, Tailwind CSS, Node JS, Express JS, Next JS, Redux, Socket Io

**Databases:** Postgres SQL, Mongo DB, Firebase

**Tools:** Git, Gitlab, Github, VS Code, Postman, Google Search

**Concepts & Technologies:** WebSockets,, REST APIs, JSON, JWT, Figma, Firebase (Authentication, Firestore), Prisma