

AYUSHI KUNDU

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PROFESSIONAL SUMMARY

Computer Science undergraduate with proven expertise in full-stack development, backend systems, and AI/ML applications. Demonstrated track record of delivering scalable solutions across web applications, admin dashboards, and intelligent systems in high-pressure hackathon environments. Two-time national hackathon finalist with hands-on experience in React.js, Node.js, database architecture, and GenAI/Agentic AI technologies. Seeking software engineering, backend development, or AI/ML engineering opportunities to drive innovation and deliver impactful solutions.

TECHNICAL SKILLS

Programming Languages: Python, Java, C, JavaScript, SQL

Frontend Technologies: React.js, HTML, CSS, Responsive Web Design

Backend Technologies: Node.js, RESTful API Development, Database Design, Admin Panel Development

AI/ML Technologies: Machine Learning, Generative AI (GenAI), Agentic AI, PyCharm

Development Tools: Git, Version Control, Database Management Systems

Core Competencies: Full-Stack Development, Project Analysis, Research & Development, Team Leadership, Agile Methodologies

EDUCATION

Bachelor of Technology – Computer Science and Engineering

Techno International Newtown, Kolkata, India | Expected Graduation: 2027

Higher Secondary Education (XII) – Barasat Indira Gandhi Memorial High School

PROFESSIONAL EXPERIENCE

Backend & Admin Developer | Tathagata Sengupta Ventures

Project-Based Engagement

- **Benzomeals (Admin Dashboard Development):** Architected and implemented comprehensive admin-side functionalities supporting centralized order management, vendor oversight, real-time status updates, and operational monitoring. Enhanced platform efficiency by streamlining administrative workflows through intuitive dashboard design.
- **[Muscle Mania Gym](#) (Backend & Admin Systems):** Developed robust backend infrastructure and admin control panels, focusing on database operations, system management, and administrative oversight. Improved platform reliability and operational efficiency through optimized database workflows and scalable system architecture.

HACKATHON PROJECTS & ACHIEVEMENTS

Smart India Hackathon 2025 – FINALIST (Hardware Category)

Project: MiningMotors_T72 – Suryadut Solar De-watering System ([LINK](#))

Team Leader

- Led cross-functional team in designing and developing an innovative solar-powered water removal system for mining operations, reducing dependency on diesel-based systems by leveraging renewable energy.
- Managed project planning, technical execution, stakeholder coordination, and final presentation to secure national finalist position among thousands of competing teams.

VibeState National Hackathon 2025 – FINALIST (Software Category)

Project: Digital Justice – AI-Powered Legal Assistant ([LINK](#))

ML & Backend Developer

- Developed machine learning models processing case statements, evidence, and legal arguments from multiple parties to generate data-driven verdict recommendations.
- Implemented backend logic and AI pipelines for natural language processing of legal documents, integrating ML models with application infrastructure for real-time analysis.

Tutedude Hackathon 2025

Project: Rawmart – Gamified Commerce Platform ([LINK](#))

Frontend & Database Developer

- Designed and implemented data structures for a wholesale-vendor bidding platform, enabling real-time price negotiations and deal management.
- Developed frontend components supporting vendor bidding mechanisms based on pricing preferences and conditional deal parameters, with comprehensive dataset preparation and database management.

SOFT SKILLS

Team Leadership & Collaboration • Project Ownership & Accountability • Technical Communication • Analytical Problem Solving • Adaptability in Fast-Paced Environments • Cross-functional Coordination • Research & Development

PROFESSIONAL INTERESTS

Emerging AI Technologies • Full-Stack Web Development • Building Scalable Digital Products • Competitive Hackathons • Open-Source Contributions • Innovation in Software Engineering