Mithu Paul

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EDUCATION

Brainware University   Barasat, India
Diploma of Engineering in Computer Science and Engineering   *2024 – 2027*
- Ranked among the top 2% of the batch with 9.67 SGPA (First Year)
- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, C/C++

Putimari High School   Dinhata, India
Higher Secondary Education in Science (WBCHSE)   *Completed 2024*
- Secured 68% in Higher Secondary Examination

EXPERIENCE

Cybersecurity Intern   Sept 2025 – Oct 2025
Cisco Networking Academy x NIIT Foundation (Virtual)
- Achieved 95% average score across hands-on cybersecurity labs by identifying and mitigating simulated network threats
- Developed foundational skills in vulnerability assessment, risk analysis, and network defense
- Strengthened incident response capabilities through structured virtual lab simulations

PROJECTS

Bag Shop – Full-Stack E-Commerce Platform
Node.js, Express, MongoDB, EJS, Razorpay, JWT
- Engineered a production-ready e-commerce platform supporting authentication, cart management, order processing, and admin dashboard operations
- Implemented JWT-based authentication with bcrypt hashing and middleware-protected routes
- Designed MongoDB schemas for users, products, orders, and admin roles using Mongoose
- Integrated Razorpay payment gateway and secure image uploads using Multer
- Applied security best practices including input validation, session handling, and environment-based configuration

SpeakHarvest – AI-Powered Marketplace Platform
React, Node.js, Express, MongoDB, Google Gemini API
- Developed a full-stack agricultural marketplace connecting farmers and buyers with real-time multilingual chat translation
- Integrated Google Gemini 2.0 Flash for AI-driven voice assistance, structured market insights, and automated translation
- Built secure REST APIs with authentication, rate limiting, MongoDB sanitization, and Helmet security hardening
- Designed scalable architecture separating React frontend (Vite) and Express backend
- Implemented voice-enabled inventory management for hands-free listing creation and updates

ACHIEVEMENTS & PUBLICATIONS

Runner-Up – IDEATHON 2K26   February 2026
Brainware University
- Secured Runner-Up position in a university-wide innovation competition focused on forward-thinking and societal-impact solutions
- Competed across multidisciplinary domains including AI, sustainability, cybersecurity, and emerging technologies

2nd Place – AI Innovation & Ethics Summit Hackathon   February 2026
Brainware University
- Secured 2nd position in a university-level AI Concept-Pitch Hackathon
- Presented an AI-driven solution evaluated on innovation, feasibility, and ethical implementation

Published Chapter Author – *Conceptual Pathways in C Programming*   February 2026
Natals Publication (ISBN: 978-93-6581-962-5)
- Authored and published a technical chapter in an ISBN-registered academic book
- Recognized as a contributing author under Natals Publication

Technical Skills

Programming Languages: C, C++, Python, JavaScript
Frontend: HTML5, CSS3, Tailwind CSS, React, GSAP, EJS
Backend: Node.js, Express.js
Database: MongoDB
Tools & Platforms: Git, VS Code, Linux (Shell Scripting), Nodemon
Security: JWT, bcrypt, Helmet, express-rate-limit, express-mongo-sanitize

Certifications

Cybersecurity Essentials   September 2025

Cybersecurity Internship Completion   September 2025

Introduction to Python   November 2025