Shubhayan Bagchi

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EDUCATION

- **Swami Vivekananda Institute of Science & Technology, Kolkata | MAKAUT**   *2022 - present*
  Bachelor of Technology in Computer Science & Engineering
  Coursework: Data Structure and Algorithm, Design & Analysis of Algorithm, DBMS, Operating Systems, Computer Networks, Fullstack web development

TECHNICAL SKILLS

Languages: SQL, Java(Intermediate), JavaScript, Typescript, HTML, CSS, Python(basics), C
Frontend: React.js, Tailwind CSS, Framer Motion, Shadcn, MUI, Bootstrap, Responsive Design
Backend: Node.js, Express.js, Flask(basics), FastAPI(basics), REST APIs, JWT & Cookie-based Auth, Zod
Databases: PostgreSQL, MySQL, MongoDB, Database Design & Optimization
ORMs: Mongoose, Prisma
Tools & Technologies: Postman, Git/GitHub, VS Code, PyCharm, Intellij IDEA, Linux (Daily Driver)
Cloud & Deployment: Render, Vercel, Netlify

PROJECTS

Yoober (Ongoing)
A full-stack cab booking web application inspired by Uber   [Github](#)
- Developed an end-to-end cab booking platform enabling both **users** and **drivers (captains)** to register, log in, and manage their accounts.
- Users can book cabs; drivers can manage bookings from a separate dashboard.
- Designed responsive UI with **React.js** and **Tailwind CSS**.
- Developed RESTful backend with **Express.js** and **MongoDB**.
Tech Stack: React.js, Tailwind CSS, Express.js, MongoDB, JavaScript, REST APIs

VagDevi.ai
College Tech Fest Winning Project   [Github](#)
- Developed a chatbot with **text-to-text** and **image-to-text** generation using the **Gemini API**.
- Integrated **multilingual response translation** and secure **JWT-based authentication**.
- Built with a modular **React.js frontend**, **Flask backend**, and **MongoDB** for data storage.
Tech Stack: React.js, Flask, Gemini API, MongoDB

Swarlipi
Smart India Hackathon'23 Finalist Project
- Built an AI-powered assistant for dubbing videos from one language to another using speech recognition and translation. Utilizes OpenAI's Whisper for speech-to-text, gTTS for text-to-speech, and OpenCV for video processing
Tech Stack: React.js, Flask, OpenAI-Whisper, gTTS, OpenCV

POSITION OF RESPONSIBILITY

- **Group Leader (Coding Club, Swami Vivekananda Institute of Science & Technology, Kolkata)**
  Responsibilities: Mentoring juniors in the field of fullstack web development

ACHIEVEMENTS

- **SIH'23:** Smart India Hackathon'23 Finalist   *Dec 19-20, 2023*
- **Tech Fest:** College tech fest winner   *May 24, 2024*