Abhraneel Dhar

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Education

Techno Main Salt Lake	**Expected Graduation: April 2027**
Bachelor of Computer Engineering and Business Systems	*Sector- V, Salt Lake*

Sudhir Memorial Institute	**Completed in April 2023**
Science stream with CS	*Doltala, Kolkata*

Proof of work | Projects

Bugspot - Social network for programmers — www.bugspot.in
Founder & Full Stack Developer (Solo Work) — *Mar 2025 – Present*

- Engineered bugspot.in, a collaborative social network for developers using Next.js, MongoDB, and Tailwind CSS
- Built an in-depth **profile editor** and **project collaboration tools** for skills showcasing and team building
- Implemented markdown-powered **blogging** and daily coding leaderboards to boost engagement
- Developed an events **team builder** and organizer **dashboard** for streamlined event planning
- Achieved top-tier discoverability with strategic **SEO optimization**, ranking **#2 on Google searches**
- Integrated NextAuth authentication for secure user sessions, serving **50+ active users**
- Optimized MongoDB schema and indexing, reducing API latency to **250ms**
- Set up CI/CD pipelines for automated testing and deployment ensuring **100% uptime**

Envisage Submission and Registration Portal — hackurwayonlinesubmission
Fullstack Engineer (Solo Work) — *Feb 2025 – April 2025*

- Solo-engineered **Envisage Portal** (Next.js/Tailwind/MongoDB/Cloudinary) processing **300+ concurrent registrations** with **zero crashes** during peak traffic
- Replaced Google Forms: **multi-event admin panel** managing **3 portals** for text/image/file uploads via **Cloudinary**
- Full authentication system with **NextAuth**
- End-to-end file handling: client validation for **5+ types**, reducing submission errors **60%**
- **Self-service portal creation**: non-technical staff deploy forms in **less than 5 min**

Nebula - Online Document Editor — nebula.vercel.app
Fullstack Developer (Solo Work) — *Sep 2024 – Jan 2025*

Source Code | Next.js | MongoDB | PostgreSQL | Supabase | NextAuth

- Engineered online WYSIWYG document editor with **anonymous chat rooms** and **friends system**
- Architected hybrid database solution using **MongoDB** for document metadata and **PostgreSQL** for relational data, optimizing query speeds by **40%** through strategic indexing
- Implemented **Supabase Storage** for secure file operations with presigned URLs, document and media uploads
- Developed granular access controls via **NextAuth** with Google OAuth providers, reducing unauthorized access incidents
- Created real-time anonymous chat room using **WebSockets** (Socket.IO), enabling **50+** concurrent users with sub-second synchronization latency

Leadership

Co-head at Invent Innovate Create – IIC Tech Wing iictmsl.com

- Mentored a team of **10** juniors in **web development** fundamentals using **TypeScript, Git, CI/CD, Databases**, guiding them through collaborative projects under the IIC Tech Wing
- Developed and deployed an **internship portal** for IIC, enabling students to discover, apply for, and track tech-focused internship opportunities; improved outreach and application efficiency across the institute

Technical Skills

Languages: Typescript, Python, C++, C, HTML, CSS, Javascript
Developer Tools: Render, Railways, Vercel, Git, Github, MongoDB Atlas, Google O-Auth
Libraries/Frameworks: NextJs, ReactJs, FastApi, PostgreSQL, MySql, NodeJs, Pygame