

SOUMYOSISH PAL

LinkedIn: <https://www.linkedin.com/in/soumyosishpal/>

GitHub: <https://github.com/Soumyosish>

Portfolio: <https://soumyosish-portfolio.vercel.app/>

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SKILLS

- **Languages:** JavaScript (ES6+), Java, HTML5, CSS
- **Frameworks:** React, Node.js, Express.js, Tailwind CSS
- **Tools/Platforms:** MongoDB, Git, GitHub, Docker, Jenkins, GitHub Actions, Ubuntu(Linux), Postman, VS Code
- **Soft Skills:** Analytical Thinking, Collaboration, Project Coordination, Agile Learning

PROJECTS

AlphaSafari – Virtual Zoo learning Portal | [\[GitHub\]](#) | [\[Live\]](#)

Aug' 25

- Architected and developed a full-stack educational Virtual Zoo platform using the MERN stack, improving the early learning engagement significantly through audio descriptions, an interactive drawing module, and gamified quizzes with real time score tracking.
- Engineered a secure RESTful API layer featuring JWT authentication and query optimized MongoDB pagination to handle user data efficiently.
- Deployed the cross-platform application on Vercel, integrated Nodemailer for 100% real time user support ticketing and email delivery.
- Tech Stack: React, Express.js, MongoDB, Vercel.

BhulBhulaya – Maze Solver | [\[GitHub\]](#) | [\[Live\]](#)

Jul' 25

- Architected an interactive Maze Solver Visualizer featuring an Express backend, to demonstrate and focus on Data Structures and Algorithms concepts.
- Implemented an adjustable animation engine to visualize five classic pathfinding algorithms along with its complexity—A* Search, Dijkstra's, DFS, BFS, and Greedy Best-First Search.
- Designed a Responsive Glassmorphism UI, featuring real time maze generation via a REST API and a live metadata panel tracking Time and Space complexity.
- Tech Stack: HTML, Tailwind CSS, Vanilla JS, Express.js, Vercel.

Tommy – Conversational Virtual Assistant | [\[GitHub\]](#)

May' 25

- Developed a voice-first assistant integrating Google Gemini API for 95% intent recognition and real-time text-to-speech, successfully executing conversational user commands within a web application.
- Implemented continuous speech recognition and a wake-word trigger, allowing hands free navigation and system interactions without standard browser controls.
- Integrated Cloudinary for user avatar management and secured backend communication using stateless JWT authentication.
- Tech Stack: React, Tailwind CSS, Express.js, MongoDB, Gemini API, Cloudinary.

TRAINING

CipherSchools

Trainee| Full Stack Web Development

Jun' 25 – Jul' 25

- Built a full-stack job-tracking dashboard allowing users to log, organize, and manually update interview pipeline statuses across visual progress columns.
- Orchestrated seamless real time data synchronization and optimized backend queries, reducing profile and document retrieval latency by 65%.

CERTIFICATES

- Oracle Data Platform Certified Foundations Associate | [Oracle](#) Aug' 26
- Postman API Fundamentals (Student Expert) - [Postman Academy](#) Aug' 25
- Cloud Computing (IIT Kharagpur) - [NPTEL](#) Apr' 25
- Introduction To Generative AI – [Google Cloud](#) Jan' 24

ACHIEVEMENTS

- Achieved the Super Contributor Holopin badge during Hacktoberfest 2025 by merging 6 pull requests to open-source projects.
- Ranked in the top 13 participants of GSSoC 2025, demonstrating advanced skills in open-source collaboration and development.
- Earned 5-star Java rating on HackerRank and solved 150+ LeetCode DSA problems, demonstrating advanced algorithmic thinking.

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology in Computer Science and Engineering; CGPA: 7.61 Aug' 23 – Jul' 27
- **Vidyasagar Shishu Niketan** Midnapore, West Bengal
Intermediate; Percentage: 84.75% Apr' 22 – Mar' 23
- **Vidyasagar Shishu Niketan** Midnapore, West Bengal
Matriculation; Percentage: 96% Apr' 20 – Mar' 21