

Somnath Shaw

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🌐 <https://somnath-red.vercel.app/> in somnath0904 🔄 SOMNATH0904

Education

Institute of Technical Education and Research, SOA University, Bhubaneswar, Odisha Nov 2022 - Ongoing

Bachelor of Technology - Computer Science and Engineering; CGPA: 9.73

Prabhujee English Medium School, Bhubaneswar, Odisha

Aug 2020 - June 2022

Intermediate/+2; Percentage: 82.2

TPS DAV Public School, Baharagora, Jharkhand

Apr 2008 - Apr 2020

Matriculation; Percentage: 87.66

Technologies

Languages: JavaScript, Python, C/C++, Java, SQL

Libraries/Frameworks: React, NodeJS, Express

Tools: Docker, Git, GitHub, MySQL, MongoDB

Platforms: Windows, Linux, AWS

Experience

Research and Development Intern

Remote

Samsung

Nov 2024 - Ongoing

- Creating and annotating a 10K+ calendar screenshot dataset for object detection tasks.
- Working with TensorFlow and Keras to implement and optimize calendar detection algorithms.
- Experimenting with various deep learning techniques to enhance detection precision and efficiency.

Projects

MealMate

[Click here](#) 

Tools: *HTML, CSS, JavaScript, NodeJS, MongoDB*

- Developed the Web Application with a refined approach, adhering to the MVC Architecture.
- Effectively integrated Payment Integration capabilities through the Razorpay API.
- Implemented CRUD functionalities, including Login, Logout, Register, and Edit Profile features.

Agrimitra - Farm Management Software

[Click here](#) 

Tools: *ReactJS, Tailwind CSS, Appwrite*

- Developed Agrimitra, a farm management app using React, Vite, Tailwind CSS and Appwrite to streamline farming operations.
- Designed crop analytics tools to enable farmers to make data-driven decisions for improved productivity.

Multi-Branch Office Network Setup

[Click here](#) 

Tools: *Cisco Packet Tracer (CPT)*

- Designed a scalable network for two branches in different cities using subnetting and static routing in CPT.
- Configured seamless inter-branch communication with static routing.
- Implemented Port Address Translation (PAT) for secure internet access via a single public IP in CPT.

Honors and Awards

- Solved 200+ questions on various competitive platforms. 
- Azure Fundamentals (AZ-900)  and Azure AI Fundamentals (AI-900) .
- OCTOHUB 2.0 (Organised by CDH Club, SOA University) - Open Source Festival - Secured 5th Position in the College during 1 month Open Source Programme.

Volunteer Experience

Microsoft Learn Student Ambassador: Acted as a Microsoft Learn Student Ambassador, fostering technical learning, community engagement, and peer mentorship.

Social Winter of Code: Managed Social Media OutReach and Communications.