

TUSHAR PACHOURI

Mathura, Uttar Pradesh

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Summary

Software Developer with experience in designing and developing scalable web applications, building **RESTful APIs**, and working with both **SQL** and **NoSQL** databases. Proficient in **Node.js**, **React**, and backend technologies with strong focus on **authentication**, **data modeling**, and **performance optimization**. Built production-level projects integrating **AI**, media management, and secure user flows. Experienced in **automation testing**, with proven ability to reduce manual efforts and improve reliability. Adaptable, detail-oriented, and eager to contribute to impactful, high-performance systems.

Technical Skills

Languages: HTML/CSS, JavaScript, CPP, Python, Java
Frameworks: NodeJS, NestJS, SpringBoot, Selenium, BDD Cucumber
Database: Oracle, MySQL, PostgreSQL
Tools: VS Code, IntelliJ Idea, Jupyter Notebook, Jira, Jenkins
Technologies: GitHub, Postman, AWS

Experience

Tata Consultancy Services (TCS) | *Product Engineer Oct 2024 – Present*

- Worked as a **Node.js developer** in a **microservices** architecture; built and optimized **RESTful APIs** with **MongoDB** for scalable data operations.
- Utilized **JWT** and **bcrypt.js** for secure user authentication and authorization across services.
- Integrated third-party APIs and implemented efficient **error handling** and **logging** mechanisms.
- Identified and resolved 100+ bugs across dev/test cycles, enhancing software stability and reducing QA feedback loops by 25%.
- Collaborated using **Git**, **Postman**, and **Vercel** for CI/CD and API testing workflows.

TakeUForward (TUF) | *Technical Engineering Intern May 2024 – Aug 2024*

- Supported the team in managing and organizing educational content across the **TUF+** platform and the free learning platform.
- Assisted with publishing workflows, basic issue resolution, and platform improvements to enhance user experience.
- Collaborated with team members using tools like **Git**, **Draw.io**, **Canva**, and **Notion** for planning, design, and documentation.

Projects

Portfolio Website | *Next.js, TypeScript, Tailwind CSS, Vercel, Three.js*



- Built and deployed a modern, full-stack personal portfolio using **Next.js**, **TypeScript**, and **Tailwind CSS**, showcasing skills and projects.
- Integrated an interactive **3D model** using **Three.js**, enhancing UI/UX through engaging visual elements.
- Employed **modular components** and followed **SEO/accessibility best practices** for optimal performance and discoverability.
- Deployed via **Vercel** with **CI/CD**, ensuring fast global load times and automated builds.
- Implemented **responsive design** for seamless experience across mobile, tablet, and desktop devices.

NebulaBlogs | *React, Node.js, MongoDB, JWT, Cloudinary, Gemini AI*



- Developed a full-stack blogging and video-sharing platform using **React**, **Node.js**, and **MongoDB**.
- Integrated **Gemini AI** to auto-generate blog content, improving user engagement and reducing manual workload.
- Implemented **video upload and streaming** using **Cloudinary**, enabling scalable multimedia content delivery.
- Applied **JWT-based authentication** and **bcrypt hashing** to secure APIs and protect user data.
- Designed **RESTful APIs** for core operations: user auth, blog CRUD, media management, and profile customization.
- Handled **input validation**, **error handling**, and implemented **role-based access control** to ensure application integrity.
- Optimized database design using **MongoDB schemas** for efficient querying and scalability.

More Web Development Projects | *Node.js, GoLang, MongoDB, Express, Cloudinary*

- **E-commerce API** | *Node.js, Express.js, MongoDB* – Developed secure backend with **buyer/seller roles**, **product listings**, and **order processing APIs**.
- **Restaurant Order Management System** | *Go, Gin, MongoDB* – Built RESTful APIs for handling **order creation**, **updates**, and **deletion** using **Go** and **Gin**.

Achievements

- **Instagram Account Management:** Successfully grew the Instagram account **scimyth** from inception to 140k followers through strategic content creation and audience engagement.
- Smart India Hackathon - April 2022: Our team was selected for the National Round in the Smart India Hackathon.
- Solved over 300 coding problems, demonstrating expertise in algorithmic problem-solving and programming concepts.

Certificates

- Completed **Training Certificate in C++** from Cipher School *July 2023*
- Completed **Training Certificate in GoLang** from Programming Pathshala *August 2023*

Education

Lovely Professional University

Bachelor of Technology in Computer Science

August 2020 – June 2024

Phagwara, Punjab

Kendriya Vidyalaya Mathura Cantt

Higher Secondary

April 2019 – March 2020

Mathura, Uttar Pradesh