Adesh Ghadage

AdeshGhadage | adeshghadage | adeshghadage9@gmail.com | +91 9307403993

EDUCATION

Indian Institute of Technology Kharagpur, India — **2026**
B.Tech + M.Tech — 7.82/10
Shanti Junior College, Solapur — **2021**
Higher Secondary Education — 89.33%
V.M. Mehta High School, Solapur — **2019**
Secondary Education — 91.20%

EXPERIENCE

TalentRecruit Software Pvt. Ltd | Software Development Intern | Online | — July'24 - Nov'24
- Engineered secure, one-click login using **OAuth 2.0**, Simplified user onboarding resulted **20%** increase in user engagement
- Achieved **44%** gain in efficiency by custom Outlook plugin that automated data, from parsing to populating in database
- Solved an authentication challenge by architecting a custom login/logout flow to securely manage and store access tokens

LFX Mentee @Istio | The Linux Foundation | Online | — Mar'25 - Jun'25
- Improved search accuracy and UX by **70%** by implementing **faceted** dropdown filters for language and version selection
- Replaced legacy Google CSE irrelevant results with Algolia DocSearch, improving result accuracy and indexing speed
- Demonstrated effective collaboration and contribution integrating feature to overriding prev and next in Hugo frontmatter

Magic Software Pvt. Ltd | Software Engineering Intern | Onsite — May'25 - Jun'25
- Automated dev runtime environment setup improving deployment reliability by **80%,** via a CI pipeline in **Azure DevOps**
- Automated **Magic Cloud Manager** deployment with dynamic configs and API route tests, cutting manual effort by **90%**
- Fixed critical bug and added proper error handling for XPA redeployment from Manager, improving user experience

PROJECTS

CryptoWebWallet | Self Project | — July'24 - Sep'24
- Developed web-based crypto wallet using **ed25519** elliptic curve signing algorithm for generating public private key pairs
- Implemented hashing with **Keccak-256** for **Ethereum** and **Base58** encoding for **Solana**, enhancing encryption-decryption
- Utilized Alchemy **JSON-RPC** for client-server communication over blockchain network and integrated a **CI/CD** pipeline

Samudramathan Tech Fest Website | — Dec'23 - Feb'24
- Implemented registration and authentication features by creating **REST API**, increasing participants numbers by **70%**
- Established payment gateway using **Razorpay API**, resulting in a **20%** enhancement in purchase by ensuring reliability
- Developed a React.js frontend, leading to a **60%** increase in user reviews, Used **MongoDB** for streamlined data handling

Chat Cluster | Self Project | — Mar'24 - May'24
- Orchestrated full-stack chat application on a **minikube** cluster, containerized frontend and backend services with **Docker**
- Engineered a real-time, low-latency communication layer using **WebSockets** to ensure instant message delivery
- Implemented an **Nginx Ingress** controller to manage and route traffic between the containerized pods within cluster

Open Source Contributor | Taipy by Avaiga | — Oct'24 - Oct'24
- Enhanced the **S3ObjectDataNode** to support all configuration parameters accepted by the AWS Boto3 client, enabling flexible data handling for S3-based workflows, Documented the newly added AWS S3 object capabilities in taipy-doc
- Added a feature to programmatically close specific notifications by assigning unique IDs, allowing precise control

COMPETITIONS

Web-a-thon | Kshitij | IIT Kharagpur |
- Secured the **3rd** position in a **web-a-thon** hosted by Kshitij, showcasing teamwork within a compact team of **4** members
- Developed a full-stack web application within a challenging timeframe of **15 hours** utilizing technologies such as **EJS**

TECHNICAL SKILLS

Languages: Go | TypeScript | JavaScript | Python | C | C++ (STL) | Shell Scripting | SQL | YAML
Frontend Development: React.js | Angular | EJS | Vite | Hugo | HTML5/CSS3 | Tailwind CSS
Backend Development: Node.js | Express.js | WebSockets (Socket.io) | REST APIs | JWT | OAuth 2.0 | web3.js | Axios | CORS
Databases & Tools: PostgreSQL | MongoDB | Redis | Mongoose | Git/GitHub | Algolia | VSCode
DevOps & Cloud: Azure DevOps | Kubernetes (MicroK8s) | Docker | Helm | Nginx | Networking | AWS (S3) | CI/CD | Linux

COURSEWORK INFORMATION

Computer Science: Programming and Data Structures | The Complete Web Development Bootcamp |
Mathematics: Probability and Statistics | Linear Algebra | Advanced Calculus | Numerical and Complex Analysis

POSITIONS OF RESPONSIBILITY

Vice President | Naval Architecture and Ocean Engineering Society, IIT Kharagpur — Aug'24 - July'25
- Spearheaded the **SAMUDRAMANTHAN'25** Event, attracting over **150** participants from **10+** national marine institutes
- Led and managed a team of **35 members**, overseeing all domains from event planning and logistics to outreach
- Led sponsorship drive for annual fest, securing **3.5 Lakhs** from **10+** diverse companies and driving a **74% YoY** in revenue

EXTRA CURRICULAR ACTIVITIES

- Part of the silver-winning Inter IIT sports contingent among **23** other IITs held at **IIT Bombay** and **IIT Gandhinagar**
- Volunteered for NSS for **2 years**, attended a **7-day** camp, and facilitated Medical Camp, and talk on Stem Cell Donation