Prajwal Vilas Urkude

- linkedin.com/in/prajwal-urkude-8a1b6818b
- leetcode.com/u/Synonymous
- prajwalurkude007@gmail.com
- github.com/Synonymous64
- https://prajportfolio.vercel.app
- (+49) 155 108 33633

EDUCATION

Rheinland-Pfälzische Technische Universität (RPTU) Kaiserslautern-Landau — Kaiserslautern, Germany
Master of Science in Computer Science; Specialization: Software Engineering and Intelligent Systems — Oct 2025 – Present
Relevant Courses: Advanced Software Engineering, Intelligent Systems, Distributed Systems, Machine Learning, and Data Management.

Rashtrasant Tukadoji Maharaj Nagpur University — Nagpur, India
BTech in Information Technology; CGPA: 8.3 (1.8 in German grading system) — May 2021 - Aug 2024
Courses: Operating Systems, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Probability and Statistics and Network Security.

Major Hemant Jakate Vidyaniketan — Nagpur, India
High School Graduate — Jan 2018 - Jan 2020
Courses: English, Mathematics and Statistics, Physics, Chemistry and Computer Science.

EXPERIENCE

GirlScript Summer of Code — India
Open Source Contributor and Campus Ambassador — Apr 2024 - Aug 2024

- **Feature Development**: Implemented new functionalities for open-source projects, enhancing user experience and application performance.
- **Collaboration**: Improved my proficiency in Git, GitHub, and version control practices, ensuring clean and maintainable contributions.
- **Open-Source Awareness**: Conducted events and campaigns to promote open-source contribution and opportunities among students.
- **Workshop Facilitation**: Organized and facilitated hands-on coding workshops, increasing participation in technical communities.

DiGITS IN-TECH — India
Technical and Career Development Head — June 2023 - July 2024

- **Hackathons and Coding Contests**: Organized and managed college-level hackathons, coding competitions, and technical events to foster innovation and problem-solving skills.
- **AI and Technology Awareness**: Designed quizzes and hosted competitions to educate students on AI, coding, and emerging technologies.
- **Community Engagement**: Led initiatives to increase participation and interest in technology, building a collaborative and technically curious community.
- **Leadership and Coordination**: Oversaw event planning and execution while mentoring peers in technical and career development areas.

LetsGrowMore — India
Java Developer Intern — Aug 2023 - Oct 2023

- **Summary**: Developed and maintained backend systems using Java, Spring Boot, and Hibernate, ensuring scalable and efficient performance. Designed and integrated RESTful APIs for seamless microservices communication. Leveraged MySQL for database management and optimized queries for performance. Utilized Maven for project build automation and Git for version control.

ITNetworkZ Infosystems Pvt Ltd — India
Salesforce-CRM and Web Developer Intern — Feb 2022 - Apr 2022

- **Summary**: Developed and customized Salesforce CRM solutions by creating Apex classes, triggers, Visualforce pages, and workflows, while leveraging the Lightning Framework for dynamic interfaces and integrating third-party systems using REST/SOAP APIs. As a Web Developer, built responsive and dynamic web applications using React.js, Next.js, and backend technologies like Node.js and Express.js, coupled with MongoDB and MySQL for efficient data handling. Deployed solutions using CI/CD tools such as Vercel and Netlify, ensuring seamless user experiences and system scalability across platforms.

Academic Projects

- **A Multi-tenant Collaborative subdomain SaaS Web App (Industrial Project):** A cutting-edge, white-labeled multi-tenant SaaS platform for agency owners, enabling effortless web application creation and management. Built in two months, it leverages advanced technologies like Next.js 14, Bun, Stripe Connect, Prisma, MySQL, Shadcn/UI, Tailwind CSS, and Clerk for a seamless user experience.

- **Prodigy (Major Project):** The project features five modules—conversation, code, image, video, and music generation—built with Next.js, Planetscale, and Prisma. The frontend uses Tailwind CSS and ShadCN UI. An Expressive AI module replicates human emotions and behavior, with memory managed through Redis and Pinecone. The platform integrates diverse content generation with emotional intelligence for enhanced user interaction.

- **Blockchat(Mini-Project):** The Real-Time Decentralized Messaging App enables secure, blockchain-based communication using Solidity smart contracts, Next.js for the frontend, and Hardhat with Ethereum Virtual Machine. Users can create accounts with MetaMask, manage friends, and delete chat history, all securely on the blockchain. Technologies: Solidity, Hardhat, MetaMask, Next.js.

Skills Summary

- **Languages**: Java, C++, Python, SQL, Javascript, Typescript, Solidity
- **Tools**: Kubernetes, Docker, Springboot, GIT, JIRA, Matlab, VSCode, Postgres, Blender, Unreal Engine
- **Database**: MySQL, MongoDB, Redis, PostgreSQL
- **Frameworks and Libraries:**: ReactJs, Tailwind CSS, NodeJs, OpenCV, Redux, ShadCN UI, Tensorflow, Langchain
- **Core Subjects:**: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Data Warehouse, Artificial Intelligence, Machine Learning
- **Soft Skills:**: Presentation Skills, Leadership, Problem Solving, Effective Communication, Team Collaboration

Research Papers

- **Paper Title:** *Multi-domain Content Generation Using Advanced Machine Learning Techniques.*
  Conference: The 8th International Conference on Information and Communication Technology for Intelligent Systems, ICTIS 2024.
  Journal: Springer Nature.
  DOI: 10.1007/978-981-97-6675-8_45
  Abstract: This research paper investigates the integration of Artificial Intelligence in modern web development. It compares the efficiency and effectiveness of various AI-based frameworks and tools used by developers today. The paper focuses on the challenges, opportunities, and impact on development speed and project scalability (Presentation Certificate).

Honors and Awards

- **Google Cloud Arcade Cohort 2024:** Achieved Premium Tier status and awarded exclusive swags for exceptional performance and contributions.

- **Google Cloud Gen AI Challenge:** Winner recognized for innovative contributions, receiving exclusive gifts for outstanding achievement.

- **LeetCode Annual Award:** Earned for solving 99% of daily coding challenges consecutively in 2022 and 2023, receiving LeetCode goodies for excellence.

- **Ode to Code Hackathon:** Ranked in the Top 25 out of 200 participants in this prestigious college-organized event.

Language Skills

Language	Listening	Reading	Writing	Speaking
English	C1	C1	C1	C1
German (A1)	A1	A1	A1	A1

Table 1: Proficiency Levels in English and German (CEFR Scale)