PRANEEL GIRISH MHATRE

Syracuse NY | +13152788207 | praneelmhatre14@gmail.com | linkedin.com/in/praneel-mhatre | Github

EDUCATION

Syracuse University - College of Engineering & Computer Science, Syracuse, NY August 2023 - May 2025
Master of Science in Computer and Information Science .

PROFESSIONAL EXPERIENCE

Software Developer, iConsult Collaborative at Syracuse University – New York, USA Aug 2024 - Present

- Optimized the **Ecology Prime** website's performance by reducing average load times by 20% and cutting bounce rates by 25%, improving user retention among ~5,000 monthly visitors.
- Resolved and documented over 15 critical bugs per sprint, collaborating with cross-functional teams to ensure seamless user experience across multiple browsers and devices.

Web Developer, Exposys Data Labs – Mumbai August 2021 - October 2021

- Developed a **full-stack** freelance job portal using **Python**, **Django**, and **JavaScript**, automating 70% of manual hiring workflows to support real-time messaging, project tracking, and contract management.
- Leveraged **SQL** and **AWS** services to improve platform performance, boosting efficiency by 50% and enhancing user satisfaction based on feedback surveys and A/B testing.

Software Developer, Fiverr – Mumbai, Maharashtra June 2020 - July 2022

- Designed and deployed a tournament management application using **Java**, **Flutter**, and **Spring Boot**, achieving real-time match scheduling and leaderboard updates for 1,000+ active users.
- Integrated third-party gaming APIs and backend systems via **Node.js** and **PHP**, maintaining a 4.8/5 client satisfaction rating across 18+ projects by delivering reliable, on-time solutions.

PROJECTS

Image Forgery Detection using CNN January 2023 - May 2023

- Developed a web-based image verification system using **Python**, **Django**, and **Convolutional Neural Networks (CNN)**, achieving 88% accuracy in detecting forged images from a dataset of 10,000+ samples.
- Integrated **SQL** for backend storage and deployed the application on **Google Cloud Platform**, reducing manual verification time by 60% and improving trust in image authenticity.

Real Estate Management System with price prediction January 2022 - April 2022

- Built a full-stack real estate platform using **Python**, **Django**, **JavaScript**, and **SQL**, incorporating a price prediction model with 85% accuracy based on Linear Regression and Machine Learning techniques.
- Deployed on **Microsoft Azure**, the system enabled data-driven decisions for 1,000+ property listings, helping buyers and sellers streamline transactions through intelligent insights.

GN VPN – Secure & Fast VPN July 2021 - November 2021

- Designed and launched a cross-platform mobile VPN application using **Flutter** and **Android Studio**, now available on the Play Store, enabling secure, anonymous browsing with built-in encryption and IP masking.
- Integrated modern networking libraries OpenVPN protocols and implemented state management using Provider for a responsive, seamless user experience.

PUBLICATIONS

- Published Article on **IEEE** Explore Named "**Image Forgery Detection Using CNN**".
- Authored the publication "The Artificial Plant Emotion Expressor" in the International Journal of Scientific Research and Development (IJSRD), showcasing the innovative concept of APEX in the world of plant care.

TECHNICAL SKILLS

- Languages & Frameworks: C, C++, Java, Python, Dart, VB.NET, MySQL, HTML, CSS, JavaScript, React, Bash, Haskell, Prolog, Flutter, Spring Boot.
- Tools & Platforms: Android Studio, Jenkins, Docker, NetBeans, Apache, Nginx, MariaDB, Visual Studio Code, Git, TASM, Virtualmin, API Development, Cloud Computing (AWS, Azure, GCP).
- Methodologies & Concepts: Data Structures & Algorithms, NoSQL, Embedded Systems, Object-Relational Mapping, Agile Development, CI/CD, Hardware Troubleshooting, Source Control Management (SCM).

ACHIEVEMENTS

- Secured the title of **champion** in the '**Internal Hackathon**' hosted by **Smart India Hackathon**, showcasing exceptional problem-solving and coding prowess.
- **Second runner-up** in Poster Presentation organized by Indian Society for Technical Education.