Kenguva Surya Vishnu

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Skills

Web Technologies: HTML, CSS, JavaScript, ReactJS, MERN Stack (MongoDB, Express.js, React, Node.js)

Languages: C#, Python, SQL

Technologies & Tools: .NET (MVC, API, ADO.NET), PostgreSQL, MongoDB, Redis, AJAX, jQuery, SignalR, RabbitMQ, GitHub

Work Experience

Software Engineer Intern at Casepoint Pvt. Ltd, Surat — Jan 2025 - Present

Software Engineering Intern

- **Led the development of the TravelEase project** (a travel management platform for booking flights, hotels, and car rentals) using .NET Core, PostgreSQL, Redis, and RabbitMQ. Completed the project in 3 sprints, reducing project delivery time by **20%** through Agile methodologies and continuous collaboration in **Azure DevOps**.
- **Developed the TaskTrackPro dashboard**, incorporating role-based authentication and implementing real-time notifications via **SignalR** and **RabbitMQ**, reducing response times by **40%**.
- **Optimized and designed over 6 RESTful APIs** with .NET Core, enhancing data management security and scalability. Achieved a **25% increase** in API performance and reduced server load by **15%** through code refactoring and efficient database queries.
- **Collaborated in 3 Agile sprints** with a cross-functional team, ensuring on-time delivery of features while using Git for version control. Actively contributed to the completion of **90% of sprint goals** within deadlines, helping the team maintain high productivity levels.

Education

Parul University, Vadodara — Aug 2021 - Present

B.Tech in Computer Science and Engineering — *CGPA: 7.83/10*

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Artificial Intelligence, Machine Learning

Project Work

- **Drive Aware Alarm System | Python, Machine Learning, Computer Vision, Dlib**
  - Developed a real-time driver monitoring system on a laptop, detecting drowsiness, yawning, and improper seating with an accuracy rate of 85%.
  - Applied machine learning and reducing false alert rates by 30%, enhancing driver safety and awareness.
- **Streamify – Language Learning Platform | React.js, Node.js, Express, MongoDB**
  - Developed a full-stack MERN web app for connecting language learners via real-time chat and video using Stream APIs and added JWT authentication with HTTP-only cookies, and 32+ customizable TailwindCSS themes.
  - Improved performance by 25% using React Query for data fetching and Zustand for lightweight state management.
- **TravelEase | .NET Core, PostgreSQL, Redis, RabbitMQ, Azure DevOps**
  - Led the development of a travel booking platform, supporting hundreds of daily transactions for flight, hotel, and car rental services, and itinerary management.
  - Integrated real-time notifications and optimized backend performance using Redis and RabbitMQ, improving booking efficiency by 20% and reducing booking errors by 15%.

Awards and Certificates

- **Consolation Prize at PU Hackathon 1.0** — Recognized among top teams for presenting "Drive Aware Alarm," an innovative project using drowsiness detection technology to enhance driver safety.
- **NPTEL Certificate** — Software Engineering.
- **Coursera Certificates:**
  - Meta — HTML, CSS, and Version Control.
  - Johns Hopkins University — HTML, CSS, and JavaScript for Web Developers.