

Varada Rekhi

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EDUCATION

Amrutvahini College of Engineering

Sangamner, India

Bachelor's in Computer Engineering (CGPA: 9.54/10.00)

August 2018 – May 2022

Coursework: Object Oriented Programming, Algorithms, Computer Networks, Operating System, Databases, Distributed Systems, Machine Learning, Data Science & Big Data Analytics

TECHNICAL SKILLS

Languages: C/C++, C#, Python, R, SQL, JavaScript, HTML/CSS

Frameworks & Libraries: gRPC, ASP.NET Core MVC, Entity Framework, Microsoft Foundation Class (MFC), ODBC, ReactJS, NodeJs, Bootstrap, Flask, Pandas, Jupyter Notebook, NumPy, Matplotlib, TensorFlow, scikit-learn

Databases: MS SQL Server, MySQL, MongoDB, Firebase

Experienced with: Microsoft Azure, Git, Kanban, Android Studio, Power BI, Docker, Shell Scripting, Rest API

EXPERIENCE

Senior Software Engineer

October 2022 – Present

Capgemini Engineering

Pune, India

- Collaborated with Canon Medical Systems Corporation, a leading MRI manufacturer, to develop innovative solutions.
- Engineered an internal tool to automate MRI SDK installation, reducing setup time by 80%
- Developed communication protocols between desktop and tablet MRI applications, creating APIs using gRPC
- Utilized C++, Python, and MS SQL Server for robust software development and database management.
- Enhanced data analytics and visualization using Power BI and Advanced Excel, providing actionable insights

Software Engineer Intern

February 2022 – May 2022

Capgemini Technologies

Pune, India

- Worked on a cloud-native ASP.NET Core MVC web application
- Deployed the application to Azure App Services and Integrated Azure DevOps for CI/CD
- Managed structured and unstructured data using Azure SQL Database and Azure Blob Storage
- Monitored application performance and health using Azure Monitor and Azure Application Insights

PROJECTS

Smart tourist scheduler | (*Flask, HTML, CSS, ReactJS, Bootstrap, MySQL*)

- Engineered a real-time tourist scheduler, automating itinerary creation based on user preferences and available time
- Implemented Ant Colony scheduling algorithm that improved itinerary efficiency, reducing planning time by 40%
- Integrated Foursquare API and GeoLocation API to provide real-time recommendations as per user preferences
- Integrated booking functionalities for over 100 hotels & flights, streamlining travel arrangements in a single platform

PlanIt | (*ASP.NET Core MVC, MS SQL Server, Entity Framework, Microsoft Azure*)

- Developed an event management app with ASP.NET Core MVC, reducing manual tasks by 30%
- Utilized MS SQL Server and Entity Framework, improving data retrieval efficiency by 40%
- Deployed the application on Microsoft Azure, ensuring 90% uptime and seamless scalability
- Implemented Logic Apps to automate email interactions, increasing user engagement by 25%

AgroTech – Farmer's Buddy | (*Python, Machine learning, scikit-learn, Jupyter Notebook*)

- Developed a solution using a random forest classifier to offer personalized location-based crop recommendations
- Integrated real-time weather forecasting with OpenWeatherMap to address adverse weather-related challenges
- Provided advanced price suggestions for goods based on current market conditions

LEADERSHIP AND AWARDS

- **Guinness World Record:** Participated in the record for the "Largest Bharatnatyam (An Indian classical dance form) Performance in the World"
- **Cultural Head:** Led cultural initiatives in the Computer Engineering Department
- **Member:** Contributed to the Association of Computer Engineering Students