Prachi Palod

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Education

Dhirubhai Ambani Institute of Information & Communication Technology Gandhinagar, India
Bachelors of Technology in Information and Communication Technology; ***GPA****: 8.09/10.00* *August 2014 - May 2018*

Professional Experience

InFoCusp Innovations Pvt. Ltd. Ahmedabad, India
Software Engineer and Data Scientist *December 2018 - Present*

- **LegalSifter**: LegalSifter is a platform aiding lawyers and their associates in finding key terms, clauses, and concepts within a legal contract using sophisticated machine learning and natural language processing techniques.
  - Developed a Machine learning tool with various functionalities to extract legal sentences and clauses from legal documents using Natural language Processing.
  - Implemented multiple classifiers for many legal concepts.
  - Technologies used: Pandas, sklearn, spaCy, Stanford CoreNLP and Jupyter.
- **Agnetix**: Agnetix works on optimizing horticulture growth by providing the most efficient and intuitive horticultural lighting solutions in the world.
  - Designed and developed a full stack web application to monitor and facilitate plant growth.
  - Technologies used: React.js, Node.js, MongoDB and InfluxDB

FactSet Hyderabad, India
Software Engineer *June 2018 - December 2018*

- **Error-Budgets and Developer Insight**: Error-Budgets and Developer Insight are the in-house projects to monitor the status of all the projects of FactSet.
  - Designed and developed web portals to constantly monitor the current status of all the projects in FactSet.
  - Developed a notifying system, which notifies the respective project owner through paging/mail in case of discrepancies.
  - Technologies used: Vue.js, Node.js, MongoDB and MySQL.

Internships

InFoCusp Innovations Pvt. Ltd. Ahmedabad, India
Software Engineer *January 2018 - April 2018*

- Developed the user interface of the car racing game from scratch. Implemented features like car motion, turns, break, nitro-booster, mini-map, different modes of game in Unity.
- Technologies used: C#, Unity.

Research Internship DA-IICT
Research Intern *May 2017 - July 2017*

- The project was based on IoT (Internet of things). The central aim of the project was to develop an Automatic Car Driving License System. Along with various sensors used for automation of the system, different important concepts like - conversion of CoAP to HTTP request and vice versa using REST API, were used and implemented.

Rural Internship at Pratibha Foundation Dena village, India
Volunteer *December 2015 - January 2016*

- Volunteered with an NGO at a small village in rural India, with an aim to provide formal and moral education to the students. Contributed by providing education about basic mathematics, easy-to-learn technologies, fitness, yoga and necessity for cleanliness to stay healthy. Helped in conducting important demographic surveys about power cuts, water availability and drainage systems in the village which further helped NGO in planning the steps to mitigate these problems.

Projects

- **Virtual Classroom**: After conducting an extensive background research about the user experience, easiness to use and user acceptance of the existing online classroom platforms, a more user-friendly virtual classroom was developed along with maintaining the norms of HCI principles and laws. Additionally, we provided some unique functionalities to aid the student experience such as raising a doubt, interface for open-class discussion and others. Technology stack included HTML, CSS, JavaScript and PHP.
- **Thread Pool**: Implemented a thread pool to maintain multiple threads waiting for Input/Output tasks or compute tasks to be allocated for concurrent execution by the supervising program on the basis of different priorities.
- **Automobile Sales and Service Management**: Developed an online Automobile Sales and Management System where people can select automobile parts, customize it and pay through the portal. Technology stack included HTML5, CSS, JavaScript and MySQL.
- **Online Booking System**: Developed an online portal to display all activities and events like movies, dramas etc., currently on-going or scheduled in a particular city. Feature of booking a particular event was added to the portal. Technology stack included HTML5, CSS, JavaScript, AngularJS and PostgreSQL.
- **Smart Car Parking System**: Developed a smart car parking system which kept track of the number of vehicles parked in the compound, redirected to the nearest available spot for parking using shortest path algorithm and also automatically signaled the vehicle to stop for avoiding collisions. Infrared sensors and Arduino were used for hardware implementation.

Technical Skills

- **Concepts and Topics**: Data Structures and Algorithms, Database Management, OOP, Web Development
- **Languages**: JAVA, C, Python, JavaScript, TypeScript, SQL
- **Technologies**: React.js, Vue.js, Node.js, HTML, CSS
- **Databases**: MySQL, MongoDB, InfluxDB
- **Tools**: GIT, Jupyter, Visual Studio Code, SQL Server Management Studio, Latex

Position of Responsibility

- Chairperson, Summer School 2017
- Vice Chairperson, IEEE Student Branch DA-IICT
- Core Committee Member, Annual Technical Fest, i.Fest16, DA-IICT
- Event Coordinator, IEEE Student Branch DA-IICT
- Core Committee Member, Excursion Club DA-IICT

Awards and Achievements

- Awarded a Travel Grant of $1200 to represent DA-IICT at 52nd Annual Meeting of IEEE Industry Applications Society held in Cincinnati, Ohio, USA. September 2017