Purav Parekh | Bangalore, India

Self-motivated & result-oriented entry-level software developer seeking an opportunity to work in a challenging environment to showcase & enhance existing skills, along with utilising current knowledge & intelligence to find innovative solutions & contribute to the growth of organisation.

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GitHub: https://github.com/purav-parekh

EXPERIENCE

Credence Robotics, Bangalore— Developer Intern
JANUARY 2020 - APRIL 2020

Upgraded existing User & Admin Dashboard of their product from PHP to Django. Added new functionalities that enabled users to control & monitor their deployed IoT devices, display live graphs of real time data sent from the IoT device to the web server & generate reports accordingly.

Saggezza India Pvt Ltd, Bangalore— Developer Intern
JUNE 2019 - AUGUST 2019

Client Project - Developed a data warehouse for a Fortune 500 company's logistics arm by integrating multiple data sources into one using SQL Server Integration Services & MS-SQL to generate reports using Tableau.
IoT Project - Created a Smart AC using Raspberry Pi 3 & Python as a part of the Annual Tech Event. This product when incorporated can help save electricity & reduce CO_2 emissions.

Kutchi Yuva Forum (NGO), Bangalore— Lead Web Developer / Founding Member
SEPT 2019 - PRESENT

Designed & developed a Django website enabling the NGO to increase their engagement rate by 30%. Also added an exclusive page for their Flagship Annual Badminton Event increasing participation by over 50%. The exclusive player profiles assisted the team owners to strategize & bid accordingly in the auction. The website also displayed live auction updates during the auction via the Django Admin Dashboard, enabling the audience to follow the auction.

PROJECTS

Analysis of Parameters in a Journal Bearing —COMSOL & Data Science (Python)

Designed & performed simulation of a journal bearing & obtained pressure values by varying different parameters in COMSOL. Built datasets, used Python & Jupyter Notebooks to obtain correlation heat maps, & tried to establish a relationship between parameters.

Human vs AI Game — Artificial Intelligence (Python)

Replicated a Human vs AI game called Nine Men's Morris using Python. It contained multiple levels (Easy, Medium, Hard) which were decided by different heuristic functions.

Prediction & Analysis of Bank Stocks — Data Science (Python)

Analysed the bank stocks listed in the BSE30 & found out the effects of different banking reforms, bank mergers, demonetization on the stock prices of the listed banks in the last 10 years (2008-2018) using Python.

EDUCATION

PES University, Bangalore—
Bachelors- Mechanical Engineering (Majors), Computer Science (Minors)
AUGUST 2016 - MAY 2020

Courses: Linear Algebra, Advanced Algorithms, Artificial Intelligence, Data Science, Data Structures, Algorithms, Database Systems, Operating Systems

SKILLS

HTML, CSS, JavaScript, ReactJS, Figma, C, Python, Django, MySQL, Ms SQL Server, SSIS, Data Structures, Algorithms

COURSES

- React JS - A Complete Guide for Frontend Web Development(Udemy)
- Master the Coding Interview: Data Structures + Algorithms (Udemy)
- Web Development (MyCaptain Community)

ACHIEVEMENTS

- **Participant: Annual Tech Event– Emerging Technologies – Saggezza India Pvt Ltd**
- Founding Member- Kutchi Yuva Forum
- School Head Boy
- School Cricket Team Captain
- Head of Logistics: Aatmatrisha 2019- Annual Techno-Cultural fest of PES University

LANGUAGES

English, Gujarati, Hindi, Kannada