Prashant Piyush

New Delhi, Delhi

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Technical Proficiency

Languages	Java, Python, C++, C, JavaScript, Node.js
Subjects / Electives	Java Programming, OOP, Data Structures & Algorithms, Discrete Mathematics, Computer Programming, Neural Networks, Artificial Intelligence

Work Experience

JDA Software Solutions   *Bengaluru*

SOFTWARE DEVELOPMENT INTERN   *Jul. 19 - Dec. 19*

- Worked on a WMS installer using Java-based InstallAnywhere tool for both Linux and Windows systems.
- Implemented gRPC port support in both installers. It added the ability to run multiple instances of WMS on a single system.
- Improved the silent mode of installation by adding missing validations and bug fixes.

Quant One Technologies   *Kolkata*

SOFTWARE DEVELOPMENT INTERN   *May. 18 - Jul. 18*

- Using Python integrated Alphalens API to visualize the linear relationship between predicted variables and features.
- Using LFE for classification reduced the dimension of the input features for the predictive model.

Quant One Technologies   *Kolkata*

SOFTWARE DEVELOPMENT INTERN   *May. 17 - Jul. 17*

- Using java created a GUI application providing a one-click solutions to some of the multistep processes on AWS console.
- Automated downloading of daily dividend data using selenium and stock data adjustment process.

Projects

PS II - Preference Form Helper

SOFTWARE DEVELOPMENT

- Simplified the preference form filling process by changing the drag-and-drop feature to direct preference input based thereby eliminating the need to rearrange 400 rows long list.

Draw: A Recurrent Neural Network for Image Generation

NEURAL NETWORKS

- Implemented "Draw: A Recurrent Neural Network for Image Generation" research paper using RNN based encoder-decoder model in Tensorflow.

Problem Solving Agents

ARITIFICIAL INTELLIGENCE

- Created Checkers bot in python using the Min-Max algorithm enhanced with Alpha-Beta Pruning.
- Developed a problem-solving agent for Max-squre Match Stick problem and Container Stacking problem.

Website backend

SOFTWARE DEVELOPMENT

- Implemented a CMS backing in Node.js with MongoDB using microservices architecture.

Education

Birla Institute of Technology and Science   *Pilani, Rajasthan*

B.E. (HONS.) ELECTRICAL AND ELECTRONICS ENGINEERING   *2015 - 2020*

Certifications

Core Java	BITS Pilani
Python Data Science & Machine Learning	Udemy.com

Extra Curricular Activities

Competitive Programming

Reading books

Learning Japanese