

# Prashant Piyush

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## Technical Proficiency

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**Languages** Java, Python, C++, C, JavaScript

**Subjects** Java Programming, OOP, Data Structures & Algorithms, Discrete Mathematics, Computer Programming, Neural Networks, Artificial Intelligence

## Work Experience

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### JDA Software

*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.
- Implemented validations for silent mode of installation, making it more robust.
- Worked on migration of legacy installer code from InstallShield to InstallAnywhere.

### Quant One Technologies

*Kolkata*

SOFTWARE DEVELOPMENT INTERN

*May. 18 - Jul. 18*

- Integrated Alphalens to provide visual analysis on the predictiveness of stock features.
- Provided an API to access the intermediate data generated within Alphalens to help in further analysis of stock features.
- Implemented concepts of LFE for classification to improve predictive model performance on stock features.

### Quant One Technologies

*Kolkata*

SOFTWARE DEVELOPMENT INTERN

*May. 17 - Jul. 17*

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

## Projects

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### PS II - Preference Form Helper

SOFTWARE DEVELOPMENT

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

### CF Tool

PYTHON DEVELOPMENT

- Developed a competitive programming helper tool to automatically parse a contest for sample input and output for given problems.
- It tests the written solutions against the sample input and reports the errors found. Supports Java and C++ languages.

### Problem Solving Agents

ARTIFICIAL INTELLIGENCE

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

### Website backend

SOFTWARE DEVELOPMENT

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

### Interpreter

JAVA DEVELOPMENT

- Implemented a tree-walk interpreter in Java containing features of object-oriented and functional programming.

## Education

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### Birla Institute of Technology and Science

*Pilani, Rajasthan*

B.E. (HONS.) ELECTRICAL AND ELECTRONICS ENGINEERING

*2015 - 2020*

## Certifications

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**Core Java**

BITS Pilani

**Python Data Science & Machine Learning**

Udemy.com

## Extra Curricular Activities

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**Competitive programming**

Expert on Codeforces and 1800+ rating on CodeChef & Hackerrank

**Reading books**