

# Jaideep Juneja

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## EDUCATION

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### Carnegie Mellon University

Pittsburgh, PA

*Master of Science in Electrical and Computer Engineering - Applied Study*

*May 2022*

### Purdue University

West Lafayette, IN

*Bachelors of Science in Computer Science, Minor in Mathematics and Political Science*

*May 2018*

## EXPERIENCE

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### Intern (Security Operations Centre Intern)

December 2020 – January 2021

*National Payments Corporation of India (NPCI)*

*Mumbai, Maharashtra*

- Automated critical incident auditing to update incident severity if threshold was reached; created audit tables and set up triggers in MySQL to keep an audit trail for compliance purposes.
- Designed a python script to automate and streamline encryption workflow for sensitive salary data of 200 employees using Seclore application.

### Intern (Research Analytics Intern)

August 2020 – November 2020

*True North*

*Mumbai, India*

- Designed a web scraper leveraging BeautifulSoup library to scrape over 100,000 websites to gather insights on companies.
- Cleaned gathered data by removing stop words, abbreviations and stemming words to improve classifier accuracy and removing bias in text.
- Trained a Stochastic Gradient Descent classifier on cleaned data to predict company sectors with 71% accuracy.

### Appian Consultant

July 2018 – July 2020

*Macedon Technologies*

*Reston, VA*

- Liaised with client stakeholders and broke down application requirements into technical work streams to ensure a smooth development cycle.
- Engaged with development teams and mentored new members to build, enhance and deliver applications for clients; helped guide and improve productivity by over 66%.
- Enhanced internal company sales tracking application using Appian; created base data model and set up reporting features, application was utilized by over 40 people to track all sales and gained commendations for its usability and design.
- Implemented a system for auditing projects, allowing project managers and senior management to better assess project progress and mitigate future risks by 50%.
- Mentored new employees during internal training to develop Appian inventory management projects to present to Senior Leadership.

## PROJECTS

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### HandSignGame

May 2020 – July 2020

*Python, MongoDB, Git, Matplotlib, Agile*

*Personal*

- Developed a Python Application for playing Rock, Paper Scissors against a computer.
- Implemented a MongoDB database using *pyMongo* to store audit heuristics about games played.
- Devised graphs with *Matplotlib* to visualize win-loss percentage relationships.

### Undergraduate Research Project

August 2016 – May 2018

*Purdue University*

*West Lafayette, IN*

- Devised an efficient SQL parsing system using ANTLR and measured its performance; ANTLR parser performed 33% better compared to original string-based parser.
- Upgraded parser features to support Range, Partition and Limit queries; presented and defended implementation, findings and methodology to Professor Walid G. Aref and other doctoral students.

## SKILLS

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**Languages:** Java, Python, C/C++, SQL (Oracle), MongoDB

**Frameworks:** Agile, Django

**Developer Tools:** Git, PyCharm, IntelliJ, Eclipse, MySql Workbench

**Libraries:** Pandas, NumPy, Matplotlib, BeautifulSoup, PyMongo, Scikit-learn, Nltk