

# ANIKET PANDEY

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## Education

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**George Mason University, Virginia, US**

*Master of Science in Computer Science*

**August 2021 – May 2023**

*GPA: 3.1/4*

**Savitribai Phule Pune University, Maharashtra, IN**

*Bachelor of Engineering in Computer Engineering*

**July 2015 – May 2019**

*CGPA: 8.42/10*

## Experience

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**JP Morgan Chase & Co.**

*Software Engineer*

**July 2019 – August 2021**

*Maharashtra, IN*

- Developed identity as a service to authenticate and authorize identity of individuals and applications. Took the ownership of the product to manage its end-to-end working and flow along with its up time.
- Developed profile as a service using GraphQL to manage the profile data of individuals.
- Developed Audit Trail application to log the actions performed on resources, its old and new state along with when and by whom was the action performed.
- Performed reporting and analytic operations on data. Configured AWS managed Kafka for data streaming from publisher to subscriber.
- Worked on various multi-tenant architecture system.
- Used Docker for image hosting and Kubernetes for micro-service orchestration.
- Utilized Jenkins to provide a CI-CD service in order to automate the entire process of loading the latest build code, performing sanity test and deploying the code on QA, Stage and Production environment.
- Monitored the CPU, Memory, Pods and Logs of the deployed service on production using Kibana, Elasticsearch and made sure of its high-availability, high-performance, and scalability.
- Performed performance test of the applications and improved its efficiency to accept high volume of requests.
- Followed the Test Driven Development approach and SOLID principles while coding and development. Implemented various Software Design Pattern to keep the code base organized and maintainable.
- Documented every detail and implementation on Confluence.

## Projects

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**Nextgen Profile** | C#, GraphQL, Cassandra, Redis

**April 2020**

- Developed a profile as a service using GraphQL to manage the profile data of individuals.
- Increased the efficiency of system to handle a load of 15-20 RPS during peak hours.
- Incorporated the CCPA (US) and GDPR (EU) to comply with the act and also made sure the PII data is encrypted.

**Nextgen IAM** | C#, Python, AWS, Cassandra, Redis, Kafka

**September 2019**

- Developed an identity as a service APIs to authenticate and authorize identity of individuals and applications creating a seamless transition from banking site to travel site.
- The service supported the OpenID Connect, SAML, Authorize Code, Password, Client Credentials, Authorize Code with PKCE and Refresh Token flow.
- Created a serverless AWS Lambda which triggered every day to report users data on daily basis for analytics purpose. Used AWS managed Kafka for data streaming.
- Performed threat modeling and supported the penetration testing team. Made sure the penetration testing issues are immediately fixed to secure before its production release.

**Solar Power Predictor** | Python, Tensorflow, Flask, HTML

**July 2018**

- Trained machine learning model using LSTM RNN algorithm to predict solar power output.
- Designed user interface where the user selects the city. In the backend the model fetches the future weather data of the selected city using API and feeds it to the trained model to predict the solar power generation.

## Technical Skills

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**Languages:** Python, Java, C#

**Cloud:** Amazon Web Services

**Developer Tools:** PyCharm, Jupyter Notebook, Visual Studio, VS Code, Postman, Kibana, Grafana, Consul

**Technologies/Frameworks:** DotNet Core, REST APIs, GraphQL, xUnit, OAuth, OpenID Connect, Jenkins, Docker, Kubernetes, Git, Redis, JWT, Confluence

**Databases:** MySQL, Cassandra

**Machine Learning:** Scikit-learn, Tensorflow

## Leadership/Extracurricular

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### Association of Computer Engineering

**August 2017 – May 2018**

*Secretary-Technical*

*Dr. D. Y. Patil School of Engineering*

- Responsibility included managing labs, students requirements, and running weekly meetings to oversee the progress of task in the department.
- Organized a department level inter-college technical festival.

### Transform Maharashtra

**February 2017 – May 2017**

*Campus Ambassador*

*Dr. D. Y. Patil School of Engineering*

- Promoted the event and encouraged students to share their ideas on how to tackle major problems being faced by the Maharashtra Government.
- Managed end-to-end interaction of students with the event organizers.

## Coursework

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|----------------------------|-------------------------|---------------------------|-----------------------|
| • Data Structures          | • Software Architecture | • Artificial Intelligence | • Cloud Development   |
| • Software Design Patterns | • Algorithms Analysis   | • Machine Learning        | • Database Management |

**Udemy:** AWS Solutions Architect Associate

**Udemy:** Machine Learning A-Z in Python and R

**Coursera:** Neural Networks and Deep Learning by deeplearning.ai

**Coursera:** Sequence Models by deeplearning.ai

## Paper

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### Solar Power Prediction using Recurrent Neural Network

**May 2019**

*S. Rathod, A. Pandey, M. Pandey, D. Jha, H. Singh*

*IJRASET23360*

## Preprint

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### Power Forecast of Solar Panels Using Machine Learning Techniques: A Survey

**October 2018**

*A. Pandey, M. Pandey, D. Jha, H. Singh, S. Rathod*

*IJSARTV4I1027796*

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