Aniket Pandey

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Education

George Mason University, Fairfax, VA, US **August 2021 – May 2023**
Master of Science in Computer Science *GPA: 3.1/4*

Savitribai Phule Pune University, Pune, MH, IN **July 2015 – May 2019**
Bachelor of Engineering in Computer Engineering *CGPA: 8.42/10*

Experience

JP Morgan Chase & Co. **July 2019 – August 2021**
Software Engineer *Pune, MH, IN*

- Built high quality REST APIs and wrote its unit testing.
- Orchestrated assigned product to manage its end-to-end working, release and up time.
- Implemented AWS managed Kafka for data streaming, designed serverless AWS Lambda which triggered every day to report users data and performed reporting as well as analytic operations on data.
- Assisted with Docker containers and Kubernetes micro-service orchestration.
- Streamlined and remodeled Jenkins CI-CD pipeline to automate the entire process of release on various deployment environment.
- Performed performance test of the applications and improved its efficiency to accept high volume of requests.
- Monitored the CPU, Memory, Pods and Logs of the deployed service on production using Grafana, Kibana Elasticsearch and maximized its high-availability, high-performance, and scalability.
- Implemented various Software Design Pattern to keep the code base organized and maintainable. Followed the Test Driven Development approach and SOLID principles while development.

Projects

Nextgen Profile | *C#, GraphQL, AWS, 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.
- Defined the CCPA (US) and GDPR (EU) in the service 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 supports the OAuth, OpenID Connect, SAML, Authorize Code, Password, Client Credentials, Authorize Code with PKCE and Refresh Token flow.

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

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, OIDC, Jenkins, Docker, Kubernetes, Git, Redis, JWT, Confluence
Databases: MySQL, Cassandra
Machine Learning: Scikit-learn, Tensorflow

Leadership/Extracurricular

Association of Computer Engineering **August 2017 – May 2018**
Secretary-Technical *Dr. D. Y. Patil School of Engineering*

- Administered labs, students requirements, supervised weekly meetings and oversaw 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

- Data Structures
- Software Design Patterns
- Software Architecture
- Algorithms Analysis
- Artificial Intelligence
- Machine Learning
- Cloud Development
- 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

Solar Power Prediction using Recurrent Neural Network **May 2019**
S. Rathod, A. Pandey, M. Pandey, D. Jha, H. Singh *IJRASET23360*

Preprint

Power Forecast of Solar Panels Using Machine Learning Techniques: A Survey **October 2018**
A. Pandey, M. Pandey, D. Jha, H. Singh, S. Rathod *IJSARTV4I1027796*