

Om Pandey

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SKILLS

Cloud & DevOps: Google Cloud Platform, Amazon Web Services, Docker, Kubernetes, Terraform, Ansible
Monitoring: GitLab CI, Kubernetes Dashboards, GCP Console, AWS CloudWatch
AI & ML: Scikit-learn, TensorFlow, Pandas, NumPy, LSTMs, RNNs
Programming: Python, GoLang, Java, SQL, Bash
Databases: MySQL, PostgreSQL, MongoDB
Data Visualization: Matplotlib, Seaborn, Power BI

PROFESSIONAL EXPERIENCE

Capgemini - Google (External Workforce)

Software Engineer – Automation Testing April 2025 – Present

- Built and maintained automation test suites in Go for distributed systems, contributing 20+ high-quality CLs.
- Collaborated with Googlers to review code, debug issues, and increase test coverage across services.
- Proactively identified root causes of production issues using logs and queries, reducing incident response time by 30%.
- Partnered with QA and DevOps teams to improve CI/CD reliability and application observability.

Capgemini

Professional - 1 Software Engineer July 2023 - April 2025

- Diagnosed and resolved scaling, performance, and deployment issues in multi-node Kubernetes clusters.
- Automated build and deployment workflows using GitLab CI, enhancing deployment speed by 40%.
- Led AWS EKS migration for cloud-native workloads, improving system availability and reducing downtime.
- Analyzed container logs and system metrics to guide infrastructure improvements and reduce errors.

Associate - 2 Software Engineer June 2022 - June 2023

- Conducted GCP POCs for migrating Kubernetes workloads, improving deployment performance and flexibility.
- Maintained core networking configurations, ensuring secure and high-availability environments.
- Developed SQL scripts for internal dashboards, issue tracing, and report generation.

EMA Solutions Pvt. Ltd.

Machine Learning Engineer - Internship June 2021 - July 2021

- Created ARIMA and LSTM models for energy consumption prediction, increasing forecast accuracy by 20%.
- Applied feature engineering and model tuning for efficient production-ready ML pipelines.

EDUCATION

B.Tech in Computer Science Engineering, Specialization in AI & ML

University of Petroleum and Energy Studies, Dehradun June 2018 - May2022

PROJECTS

Stock Market Prediction using LSTMs

Designed and trained LSTM models for stock price forecasting using univariate and multivariate inputs.
Evaluated model performance using MSE and RMSE; improved accuracy by tuning sequence length and features.

Published Research Paper on Mushroom Classification

Published a comprehensive comparative analysis of 14 Machine Learning algorithms, evaluating performance metrics such as accuracy, precision, and F1-score.

IEEE Paper(SMART 2023): [Link](#)

EDA and Survivor Predictions on the Titanic Dataset

Conducted feature engineering, data cleaning, and exploratory analysis using Pandas, Seaborn, and Matplotlib.
Built multiple classification models with engineered features to predict survival with improved precision.

CERTIFICATES

- Using Machine Learning in Trading and Finance
- Machine Learning for Trading - GCP
- IBM Data Science Specialization
- Architecting with Google Kubernetes Engine