Ankita Patra

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Education

State University of New York at Binghamton, NY *Aug 2024 – May 2026*

M.S. in Computer Science (Artificial Intelligence Track) | Coursework: AI/ML, Programming Language, Systems Programming, Design Analysis

Biju Patnaik University of Technology, India *Aug 2014 – May 2018*

B.Tech in Electronics and Telecommunication | Coursework: Data Structures, OOP, Computer Networks

Skills

- **Tools and CI/CD:** REST APIs, Jira, PyCharm, MATLAB, Maven, Kubernetes, Docker, Jenkins, Terraform, GitHub Actions, Ansible, Grafana, Prometheus, ServiceNow, SonarQube
- **Programming Languages:** Java, Python, C++, C, Rust, Shell Scripting, Go, TypeScript, JavaScript, React.js, Node.js, HTML5, CSS, Angular, Spring Boot, Django, Flutter
- **Databases/Opensource:** MongoDB, PostgreSQL, MySQL, NoSQL, Prometheus, DynamoDB, GraphQL, REST API, PyTorch, TensorFlow,BitBucket, Git
- **Cloud Platforms:** AWS, Azure, Google Cloud Platform (GCP)

Experience

System Engineer, Tata Consultancy Services *Karnataka, India | Jan 2023 – Jul 2024*

- Automated workflows and CI/CD pipelines using **Python, AWS, Kubernetes, Docker, and Jenkins**.
- Improved team efficiency by **60%** with Python algorithms integrated into AWS Lambda and EC2.
- Built an AI tool for Terraform code generation, increasing efficiency by **80%** and enabling financial **data visualization with Django dashboards**.
- Received **"On The Spot"** award for quick implementation (Sept 2023).

Associate Consultant, Capgemini *Karnataka, India | Oct 2021 – Jan 2023*

- Automated web scraping, GUI processes, and seeding workflows across environments, improving tool reliability and boosting efficiency by **40–50%**.
- Streamlined data collection and analytics across environments using **Teradata SQL, Python, and DevOps approach**.
- Integrated **Prometheus metrics and Grafana** visualizations into legacy systems, improving observability and error analysis.
- Led cloud migration with **Kubernetes, Docker, and Jenkins**, achieving **40%** efficiency gains and earning a 2022 **"Pat on the Back"** award.

Software Engineer, IBM India Pvt Limited *Karnataka, India | Feb 2019 – Oct 2021*

- Focused on **Java programming with Microservices and API development** to ensure high-quality code.
- Built CI/CD pipelines, managed containerization, and enabled app migration with **Kubernetes and Helm**, providing K8s links.
- Upgraded code for tighter integration, boosting system efficiency by over **50%** and improving application performance.
- Promoted twice, recognized as **IBM Super Learner (2020)**, and won 2nd place in **Mainframe Coding Challenge (2019)**.

Certification and Award

- Build Your Generative AI Productivity Skills with Microsoft and LinkedIn — Apr.2024
- Machine learning with python - level 1 — October.2020
- Data Science Methodologies & Data Science Foundations - Level 1 — Oct. 2020