

ANKIT HIREMATH

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EDUCATION

Master of Science in Computer Science, Syracuse University
Bachelor of Engineering, Savitribai Phule Pune University

August 2023 - May 2025
August 2016 - May 2020

SKILLS / CERTIFICATIONS

Concepts : Data Structures and Algorithm, OOP, Cloud Computing, Design Patterns, Mathematics, Operating Systems
Certification : Deep Learning with TensorFlow, Artificial Intelligence, React.js, AWS Quicksight, SDLC
Languages : Python, Java, R, C++, JavaScript, Haskell, NoSQL, Flutter, PHP, TypeScript, GraphQL, HTML
Tools : Eclipse, Git, JIRA, Jenkins, Postman, Slack, Net Beans, MailChimp, PyCharm, Redux, Snowflake, Helm
Frameworks : JSON, Rest APIs, Angular, Django, Vue.js, Laravel, PyTorch, Next.js, .NET, Flask
Software : Visual Studio, Office 365, Android Studio, Scala, Hadoop, Kafka, Spark, Google Cloud, Perl, Linux, Tableau
Power BI, Hive, MATLAB, PostgreSQL, Excel, AutoCAD, DevOps, MSSQL Server
Research : IEEE publication: "Illuminating the shadows: understanding dark silicon phenomenon"

EXPERIENCE

Full Stack Developer Intern

August 2024 - December 2024

Toys Electronics

Syracuse, NY

- Built core Marketplace features with React.js, integrating search and profiles for 50+ universities, boosting engagement by 55%.
- Revamped Dashboard UI with React TypeScript, enhancing interface consistency and boosting user satisfaction.
- Optimized 10+ PlayFab APIs and restructured the Azure backend, enhancing scalability and performance for 3,700+ users.

Data Analyst and Principal Researcher Intern

January 2024 - July 2024

iConsult, Syracuse University

Syracuse, NY

- Processed 500,000+ data points with Pandas and advanced wrangling, ensuring accuracy for the Ecology Prime platform.
- Extracted insights from 1TB+ ecological data with NumPy and Scikit-learn, driving decisions in conservation and sustainability.
- Integrated geospatial data using SQL and Python, boosting data processing efficiency by 40%.

Software Engineer

November 2020 - July 2023

Tata Consultancy Services

Mumbai, India

- Architected cost-efficient AWS solutions with Auto Scaling, Lambda, and Aurora, saving \$45,000 and enhancing scalability.
- Developed CI/CD pipelines with Jenkins and Terraform, reducing deployment times by 45% and increasing release frequency.
- Designed scalable cloud solutions with microservices, Docker, Kubernetes, and Power Platform, enhancing website reliability.
- Streamlined API design with Apache APISIX, cutting latency by 35% and enhancing interoperability across 6+ systems.

Software Developer Intern

August 2019 - November 2019

BSNL

Pune, India

- Created a customer management system with Java, Spring Boot, and Node.js, improving scalability and reducing latency.
- Verified optimizations via A/B testing on 25,000 users, reducing errors and enhancing satisfaction.
- Automated tasks with Unix/Shell scripting, using Cron jobs and Bash, while gaining proficiency in Linux system administration.
- Enabled seamless data exchange using JSON and XML in modular frameworks.

PROJECTS

Gomoku | CNN Architecture, MongoDB, Game Analysis, Pooling, TensorFlow, Keras, SciPy

October 2023 - November 2023

- Constructed a CNN with 64-256 filters, achieving 25/30 wins on Gomocup data, surpassing Minimax, and leveraging MongoDB.
- Recommended 3D CNN and advanced pooling techniques to enhance AI sophistication, strategic depth, and cognitive analysis

Bookstore | Java, Spring Boot, PostgreSQL, Maven, Thymeleaf, REST API Implementation

August 2024 - September 2024

- Devised a Java Spring Boot application with PostgreSQL, RESTful APIs, and secure authentication, boosting efficiency by 60%.
- Applied Factory design patterns and created Thymeleaf interfaces, improving usability and maintainability by 35%.

RAG-Driven QA System | Transformers, Hugging Face, PyTorch, NumPy, Pandas, Scikit-learn

May 2024 - July 2024

- Implemented a RAG-based QA model with Transformers, PyTorch, and TensorFlow, achieving 95% precision on 10,000+ files.
- Boosted model efficiency by 40% using encoding, response generation, and evaluation with Hugging Face and Scikit-learn.