**Pranav Khismatrao**

Boston, MA | (857)-693-1743 | [pranav.khismatrao07@gmail.com](mailto:pranav.khismatrao07@gmail.com) |A blue and white logo

Description automatically generated [LinkedIn](https://www.linkedin.com/in/pranavkhismatrao/) | A black and white cat logo

Description automatically generated[GitHub](https://github.com/Pranav014)

**EDUCATION**

**Master of Science, Software Engineering Systems** **Expected May 2024**

Northeastern University, Boston, MA

**Bachelor of Engineering, Computer Software**  **Oct 2020**

Mumbai University, India

**PROFESSIONAL EXPERIENCE**

**Tata Consultancy Services**, Mumbai, India **Jan 2021 - Jul 2022**

Software Developer

* Implemented RESTful APIs using Django Rest Framework for seamless integration with frontend applications and third-party services
* Utilized Python libraries such as NumPy, Pandas, and SciPy for data manipulation, analysis, and visualization in projects involving data science and machine learning
* Automated repetitive tasks and streamlined workflows by writing Python scripts, increasing team productivity and efficiency
* Collaborated with offshore teams in an agile-based scrum model to ensure timely delivery of user stories to clients, demonstrating strong communication skills essential for effective collaboration across diverse teams.
* Developed backend components of 2 auto-scalable e-commerce web applications deployed in **AWS-EC2** with **load balancing.**
* Successfully delivered two projects developed in **Java** with **MongoDB** as the backend database, enhancing efficiency

**Sudesi Infotech**, Mumbai, India **Aug 2019 - Dec 2019**

Software Developer Intern

* Refactored packages and APIs of microservices to adhere to the single responsibility principle and implemented caching mechanisms to optimize network calls, resulting in a **50%** improvement in API response time.
* Developed web applications for business reporting and systems monitoring using **Spring MVC** and **Spring Boot**, deployed on **Apache Tomcat**

**TECHNICAL SKILLS**

**Programming:** Swift, Objective-C, Java, Python, Unix Shell Scripting, HTML, CSS

**Technologies:** Spring, ASP.NET, OAuth, J2EE, JWT, Hibernate, RabbitMQ, Node.js, Elasticsearch, REST, Gradle, Maven, Git, Junit, React.js, Servlet, Apache Kafka, Linux, Junit, jQuery, JMeter

**Database:** MySQL, Aerospike, MongoDB, Redis, PostgreSQL

**Cloud-Native:** AWS, GCP, Kubernetes, Docker, Terraform, Pulumi

**ACADEMIC PROJECTS**

**Assessment Management System Sep 2023 - Dec 2023**

**| Go, Python, Hibernate, PostgreSQL, IAM, AWS-EC2, DNS, RDS, GCP, VPC, Autoscaling, Load Balancer, CloudWatch**

* Architected and developed a resilient multi-Availability Zone (AZ) assessment platform with authenticated RESTful CRUD APIs in Golang, adopting best practices for scalability and reliability
* Automated AWS infrastructure provisioning and management, including DNS, VPC, RDBMS, NoSQL databases, and load balancers, using Infrastructure as Code (IaC) principles with tools like Pulumi

**Online Movie Booking System| Java, Spring Boot Hibernate, MySQ**L **Mar 2023 - Apr 2023**

* Engineered an Movie Booking System utilizing **Spring Boot,** **Hibernate** and **DAO Pattern**, enabling **MySQL** database access
* Leveraged **Spring Security** implementing **OAuth for Authentication and authorization** to fortify endpoints, ensuring robust access control and enforcing appropriate status codes

**NU Chronicles** | **React, Node.js, JavaScript, MongoDB, Express.js Nov 2022 - Dec 2022**

* Designed front-end interface in **React**, programmed the back-end logic in **Node.js and MongoDB**
* Integrated platform with **tailwind CSS** and Bootstrap for visually appealing and user-friendly Interface

**ADDITONAL INFORMATION**

**Hobbies**: Running (Participated in Marathon for Social event in undergrad twice), Reading