

# Yash Pawar

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## EDUCATION:

### Master of Science, Information Systems

Northeastern University.

Dec 2024

GPA: 3.75

**Relevant Courses:** Data Structures and Algorithms, Web Design, Quality Assurance, Application Development.

### Bachelor of Engineering, Information Technology

Pune University, Pune, India.

Jun 2020

GPA: 3.70

## TECHNICAL SKILLS:

**Programming Languages:** C, C#, C++, Python, Java, .NET, R, JavaScript.

**Web Technologies:** HTML5, CSS3, SASS, Angular, JQuery, React.js, Redux, JSON, AJAX.

**Databases:** MySQL, MongoDB, Postgres, Oracle 11g, MS SQL Server.

**Tools and Frameworks:** AWS, GitHub, Bitbucket, Jira, GCP, Heroku, Excel, Docker, Tableau.

**Operating Systems:** Linux, Unix, MacOS

## WORK EXPERIENCE:

### Senior Software Engineer, Capgemini, Bangalore India

Nov 2020 – Sep 2022

- Collaborated with a cross-functional team to create an employee performance analytics tool, increasing efficiency by 21%.
- Took ownership of critical projects, inception to execution, resulting in successful outcomes and increased accountability.
- Executed 20+ **SpringBoot** microservices along with **AngularJS** and **ReactJS** for building applications.
- Fostered **Agile**-blended software development which enhanced communication and embraced change.
- Led Spark-based big data projects, managed resource allocation for 100-node cluster, boosted processing efficiency by 25%.

### Software Engineer Intern, Capgemini, Pune, India

Jan 2020 – Jun 2020

- Collaborated with the team and took an **initiative** to develop a responsive website to reduce third party application costs.
- Interacted extensively with **J2EE FullStack** development and **ReactJS**, **React Native** to build and customize web applications.
- Coordinated with DevOps Engineer to build data pipelines using **Informatica ETL** tool and **MATLAB** for numerical computing.
- Implemented CI/CD pipelines with **Jenkins** and **Docker**, resulting in a 30% reduction in manual testing time.

### Software Engineer Intern, Kasnet Technologies, Pune, India

Jul 2019 – Dec 2019

- Cleaned and organized extensive school data with **SQL**, leveraging indexing, hashing, and 17% redundancy elimination.
- Executed **map-reduce** for database optimization and improved retrieval speed by 20% through indexing.
- Displayed a passion for learning and staying updated with the latest industry trends, fostering innovation and adaptability.

### Software Engineer Intern, HackMaynia, Pune, India

Aug 2018 – Jun 2019

- Significantly improved website responsiveness by reducing visual load, implementing animations, and 3 subtle features.
- Created a session notepad feature, leading to a 30% rise in user engagement, and enhancing the website's functionality.
- Examined 40k user records using Google Analytics and Tableau, yielding valuable insights for data-driven decision.

## PROJECTS:

### MBTA Live Visualization ([View](#) -optimized for Firefox)

Oct 2024

- Programmed live transit updates for 4 Boston Tramp subway's with MBTA **REST API** calls.
- Built the website using **Typescript**, **NodeJS** and **Tableau** for analyzing Tramp's incoming and outgoing delays.
- Optimized the application for Firefox browser and deployed it on Vercel Application.

### Journey Genius - [GitHub](#)

Jun 2023

- Devised 3 novel algorithms in **backend** for the NP-hard traveling salesman problem, reducing the distance traveled by 37%.
- Analyzed and resolved bugs, vulnerabilities, security hotspots, ensuring quality assurance with **SonarQube** and **Unit tests**.
- Connected **BigQuery** data warehouse to store vast amounts of geographically organized data and real-time data streaming.

### FreshHarvests - [GitHub](#)

Apr 2023

- Programmed supermarket website with secure authentication and **Paypal** integration, ensuring seamless online transactions.
- Deployed website on **Google Cloud Platform** majored by **MERN Stack**, reducing response time to 12ms.
- Utilized **ReactJS** animations for enhanced user interface and achieved 95% customer satisfaction.
- Winner of the best project award for bringing the proposal to the institution stores to utilize instead of unofficial channels.

### Task Pulse - [GitHub](#)

Aug 2022

- Developed an annotated **Spring** Rest controller to track and analyze unorganized task executions.
- Engineered and automated **Postman** testing for **REST APIs**, email, text notifications, testing, and **Elasticsearch** for analytics.
- Created a chatbot using **JavaScript** and ML model, resulting in a 30% decrease in customer support response time.

## Leadership and Teamwork:

• **Technical Interviewer** at TheS30 Pvt Ltd.

Oct 2023 - Present

• Volunteered Intramural League as a **Sports Official** at Northeastern University.

Jun 2023 - Present

• Led recruitment efforts, **mentored**, and **coached** 5 Interns at Capgemini.

Jan 2022 – Aug 2022