HRITHIK K

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EDUCATION

B.Tech in Information Technology   Aug 2018 - Apr 2022
College of Engineering Guindy, Anna University; CGPA: 8.94

SKILLS

Tools and Frameworks	ReactJs, NodeJs, Elasticsearch, Git, Docker, Airbrake, Mailgun, Redis, Chrome Extensions, JSP, Servlets, Cucumbers, Elastic Search, CSS, Bootstrap, VR, AR, Google analytics, jQuery
Databases	MySql, Oracle, MongoDB
Programming	Ruby on Rails, C, C++, Java, HTML, Javascript, Python
Languages	Strong reading, writing, and speaking competencies for English, Tamil, Telugu, Hindi

EXPERIENCE

Software Development Engineer   Jul 2022 - Present
Chronus Software India Pvt Ltd   *Chennai, India*

- Designed and implemented administrative functionalities for a mentoring software platform utilizing Ruby on Rails, MySQL, Bootstrap, HTML, CSS, and JavaScript, ensuring timely deployment to production.
- **Managed quality assurance** by investigating and fixing existing bugs. Enhanced user experience by reducing the total bug count by nearly **20%**.
- Implemented a **rate-limiting algorithm** to restrict error notification surges, ensuring system resilience and reducing the impact and cost incurred due to these surges by **50%**.
- Improved operational efficiency by **automating** a phase in the error monitoring process by developing a **Chrome extension** using Javascript. This implementation led to a **30%** reduction in monitoring time.
- Led **data analytics** initiatives which involved data retrieval and comprehensive analysis using MySQL, also deriving **actionable insights** to drive informed decision-making.
- **Integrated** third-party tools like Mixpanel, Hotjar, and Vitally along with developing **frameworks** in Ruby on Rails, for easy implementation and streamlined data management.

ACHIEVEMENTS

- Served as **Programming head** for Information Science and Technology Association CEG'22 - Organized multiple events in inter-college symposium - Itrix'22 and intra-college symposium - I++'22.
- Shortlisted at the University level in the **Smart-India Hackathon** (2020), focusing on the development of a solution for Alzheimer's disease detection.
- Secured **Second** place in **Bugathon'23** conducted by Chronus.
- Secured **Second** place in the event **Algorithm Unlock'20** conducted by the robotics club of CEG.
- Secured All India rank of **4631** in Gate 2020.
- Achieved **6 stars** for problem-solving in HackerRank.

PROJECTS

Connected - Social networking website. A web application facilitating user connections and providing friend suggestions, alongside functionalities allowing users to share images, engage with posts through likes, comments, and shares.
Technologies used: Ruby on Rails, Bootstrap, MySql, HTML, CSS, Javascript, Cron, Rake, jQuery. (Github)

Navigation system for Visually Impaired using VSLAM. System for aiding the movement of visually impaired people, by locating and identifying objects in indoor-physical environments and providing instructions for navigating to it.
Technologies used: Machine Learning, Image Processing, Python, Selenium.

Farmer's guide. Developed a machine learning model that finds the best crop for a farmer with 80% accuracy, based on various factors that affect crop production.
Technologies used: Python, ReactJS, Flask. (Github)