Ketan Keshava

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EDUCATION

Northeastern University | Boston, MA | *Master of Science in Information Systems* | GPA 4.0 **Expected May 2025**
Relevant Courses: Web Development and User Experience, Network Structures and Cloud Computing, Application Engineering and Development, Data Management and Database Design

K. S. Institute of Technology | Bangalore, India | *Bachelor of Engineering in Computer Science and Engineering* **Aug 2020**
Relevant Courses: Data Structures and Algorithms, Python, Web Development, Java, Data Science

TECHNICAL SKILLS

- **Programming Languages** – Python, JavaScript, Java, Web Dev
- **Libraries/Frameworks**: ReactJS, NodeJS, ExpressJS, Pandas, NumPy
- **Database** – MongoDB, PostgreSQL, MySQL, SQLite3
- **Design Tools**: Figma, Canva, Adobe Illustrator, Adobe Photoshop, Adobe After Effects, Adobe Premier Pro
- **DevOps** - AWS, GitHub Actions, DigitalOcean, GoDaddy
- Others – Git, Firebase

WORK EXPERIENCE

Software Engineer | Gupshup | Bangalore, India **Mar 2022 - Aug 2023**
- Led the development of critical features for a high-traffic web application, improving user experience & engagement by 40%
- Proactively identified and resolved information security breaches, fortifying cybersecurity measures
- Designed and implemented Role-based access control, boosting efficiency by 70% and resolving customer pain points
- Authored a comprehensive technical document outlining project specifications, testing methodologies, and results, serving as a valuable reference for the team

Software Engineer | KreditBee | Bangalore, India **Oct 2020 - Mar 2022**
- Improved product functionality by 20% with Go and React code, enhancing the user experience
- Achieved a 25% reduction in post-release issues by ensuring software quality with comprehensive test cases
- Optimized software performance, resulting in a 30% boost in efficiency and enriched product features for a more robust system

ACADEMIC PROJECT

Universe - One-stop solution for Northeastern University Student Community (Link) **Oct 2023 - Dec 2023**
- Orchestrated the development of "Universe," a cutting-edge community app for Huskies, leveraging React, Node.js, and Express.js.
- Pioneered Artificial Intelligence infusion, revolutionizing the app by streamlining event poster creation for enhanced user engagement.
- Championed a transformative solution, introducing a centralized social media platform exclusively for NEU students, fostering unity.
- Integrated third-party APIs (OpenWeather, Unsplash, Hugging Face) and utilized AWS hosting for real-time weather updates, dynamic backgrounds, and AI-driven event posters.

Automated certificate generator and mailing for IEEE (Link) **Mar 2020 - Present**
- Championed a global volunteering initiative to replicate the solution for IEEE, underscoring leadership and impact
- Partnering with esteemed institutions to engineer automated certificate creation
- Streamlining certificate generation procedures, accelerating aid to educational institutions during the pandemic

Warehouse Management System using drones | Tata Consultancy Services Limited (TCS) EngiNX 2019 **Mar 2019 - Oct 2019**
- Engineered drone-based system for space optimization, simplifying warehouse management and enhancing space utilization
- Implemented automated stock checks, reducing revenue loss and providing real-time inventory control
- Expedited inventory reconciliation, streamlining the process from weeks to days, resulting in efficient warehouse management

PUBLICATIONS

- Ensemble learning as a prerogative method of predicting mortality of patients with cardiovascular diseases (Link)
- Demand Drivers for Gold (Link) | Demand Drivers for Commodities (Link)

ACHIEVEMENTS

- Winner at Smart India Hackathon 2022 & 2nd Runner-Up in "TCS EngiNX" a National Level Hackathon by Tata Consultancy Services Ltd
- Received IEEE Region10 Young Professionals REVOL 2021 Award and CLAPathon Award (IEEE Young Professionals, Region 10)