Manthan **Keim**

Seeking full-time position in Software and Automation Engineering roles. A self-directed professional with 2+ years of experience and a proven track record of making significant contributions to challenging and complex open-source projects.

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Experience

Purdue University   *West Lafayette, IN*
RESEARCH FELLOW, RCODI   *Aug. 2021 - Present*

- Studying cognition (coding behavior, trace data) of 500+ participants on IronHacks.com to optimize the hacking platform.
- Deploying result metric, ranking, and customized tutorial using ReactJS and Firebase serverless infrastructure.
- Designing a private note feature for the RCODI developers to improve communication via real-time messages, forum, and collaboration.
- Collecting Jupyter error logs and analyzing them for Python bugs.

Zotec Partners   *Carmel, IN*
FILE MANAGEMENT INTERN   *Jun. 2022 - Aug. 2022*

- Resolved 94 servicehub tickets which included analyzing HL7 files, pipeline logs, patient payment information and client credentials.
- Created and edited 1000+ MOVEit tasks which transfers files internally in the organization.
- Overcame a overnight failure of a process by writing XML scripts to speed up the process, transitioned from MOVEit to GoAnywhere.

MyWays   *New Delhi, India*
DATA MINING INTERN   *Aug 2019 - Oct. 2019*

- Worked with a team of 5 people for a startup company, built the personal development platform running under 2 months.
- Developed Scraping scripts to mine over 10K rows of data for building a job search platform, and restructure the collected data.

Education

Purdue University   *West Lafayette, IN*
M.S. IN TECHNOLOGY, LEADERSHIP & INNOVATION   *Aug. 2021 - May 2024*

- Research Areas: Software Engineering, Digital Innovation, and Open Source projects
- Coursework: Natural Language Processing, Data Mining, Artificial Intelligence, Foundation of Innovation Studies, Human Computer Interaction, Application Visual Analytics

Guru Gobind Singh Indraprastha University   *Delhi, India*
B.TECH. IN COMPUTER SCIENCE   *Aug. 2017 - May 2021*

- Achievements: Two times Hackathon winner and Founded Hack Club to teach students
- Coursework: Data Structures, Algorithms, Computer Networks, Computer Graphics, Software Engineering, Theory of Computation, Computer Architecture, OOP with C++, Computer Design

Skills & Open Source Contribution

Programming   Python, C++, Kubernetes, JavaScript, Git, Bash, Docker, Web development, API development, Test-driven development, Continuous Integration, Web Scraping , Selenium, Djanjo, Flask, SQL

Open Source   Coala, Microsoft, OpenCV, IronHacks, RCODI

Personal Projects

Social Media Behaviour Analysis ⬀
JAVASCRIPT, PYTHON, SELENIUM, HTML, CSS   *Jan.2021*

- Analyze emotion of content present on various social media like Youtube, Twitter, Instagram.
- Visualize the findings in different type of charts and flag if something is unusual.
- Application in detecting fake news and hate speech/bully detection on social media.

Social Digger ⬀
PYTHON, FLASK, PICKLE, NUMPY, FACE RECOGNITION   *Mar.2019*

- Web App developed on Flask framework to search people on social media platforms viz. Facebook, LinkedIn, and Twitter through their name and professional photograph.

Awards & Position of Responsibility

ACM Student Member, Two times KubeCon Awardee '23 & '21 and Open Source Summit Scholarship, Microsoft Student Partner '21, Founder Hack Club, TEDx Organizer, 1st runner up - GirlScript India Hackathon, Microsoft Smart India Hackathon