Akshay Gurudutt Bhandary

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EDUCATION

- **Santa Clara University**   Santa Clara, CA
  Masters of Science in Computer Science and Engineering; GPA: 3.7   *Jan 2022 - Expected Sept 2023*
  Courses: *Distributed Systems, Network Design Analysis, Advanced Operating System, Computer Networks, Machine Learning*

- **SRM University**   Chennai, India
  Bachelor of Technology Computer Science and Engineering; GPA: 3.9   *May 2014 - May 2018*
  Courses: *Data Structures and Algorithm Design, Web Technology, Database Management Systems, Object Oriented Analysis and Design, Software Engineering*

SKILLS

- **Languages**:   Python, JavaScript, SQL, HTML5, CSS3, C, JAVA
- **Web Technologies**:   ReactJS, Bootstrap, Material UI, JQuery, PHP, Redux, Flask, Node, Jest, Express, Nunjucks
- **Database**:   MySQL, SQLite, Oracle SQL, MongoDB
- **Others**:   Linux, Windows, AWS, Agile, Git, GitHub, BitBucket, Fiddler, REST API, npm, PL/SQL

EXPERIENCE

Frugal Innovation Hub

- *Full Stack Developer*   *Apr 2023 - Present*
  - Developed admin panel features utilizing **NodeJS**, **Express**, and **Nunjucks** on the proximity lab website dashboard.
  - Connected dashboard to **MySQL** Database to store and display information as per requirements
  - Implemented enhancements to improve the functionality and user experience of the dashboard.

Infosys

- *Senior Software Engineer*   *Jan 2021 - Dec 2021*
  - Designed and implemented a dashboard using **React**, **JavaScript** and **Redux** to create different investment portfolios for a major global financial firm on basis of income and risk levels.
  - Integrated multiple Java Based proprietary **REST APIs** with dashboard to persist data between different steps of the web app.
  - Implemented automation test cases using **Jest** to test different components of the web app that reduced time spent in testing by as much as 30%

- *Software Engineer*   *May 2018 - Dec 2020*
  - Designed and improved User Interface of the Client's web-app using **HTML**, **CSS**, **JavaScript**, and **LESS Preprocessor**
  - Developed the definitive guiding stylesheet for 20 different applications
  - Implemented automation script using **Java** and **Apache Library** to create report of changes made to **HTML** files and print them in **MS Excel** worksheet that reduced time spent in communication and re-checking by as much as 25%
  - Corrected **JavaScript** browser compatibility issues on Client's Web-app using **JavaScript** and **Fiddler** for 20 different applications
  - Organized and coordinated a team of 3 for manual UI and functional testing of different application. Mentored new joiners to understand their projects and team processes. Collaborated with Onshore and Offshore Client Teams to carry out project hand-offs

PROJECTS

- **Inventory Management System(NodeJs, JavaScript, MySQL, MongoDB, REST API, Postman)**: Backend application leveraging **JavaScript** and **Node** to manage inventory of products; implemented APIs to add or update items in a batch of over 10k records. Formulated design and modeling of **MySQL** and **MongoDB** database, performed indexing and query optimization to efficiently retrieve data for search queries.

- **Country Finder (ReactJs, HTML5, CSS3, Bootstrap)**: Web-App to find information about all countries in the world using rest-countries API, with search and filter capabilities. Dark Mode and Light Mode skinned. Mobile Device Optimized. **CSS3** and **Bootstrap UI** for styling and **Google Fonts** for Letters and Numbers.

- **Short the URL (ReactJs, HTML5, CSS3, Material UI)**: Web-App to shorten URLs using short-code API, **sessionStorage API** - HTML5 Web Storage API to store data after refreshing browser tab. **CSS** and **Material UI** for styling and **Google Fonts** for Letters and Numbers.

- **Differential Privacy in Machine Learning**: Machine Learning model developed using **scikit-learn**, **pyTorch**, **opacus** libraries to predict and recognise handwritten digits after addition of noise to MNIST Dataset thus preventing re-identification attacks of sensitive information

HONORS AND AWARDS

- Received Honourable Mention at INRIX Hackathon - Nov, 2022
- Awarded Insta-Awards Certificate of Appreciation from Infosys - Aug, 2019