

# Ekam Behl

Phone: (+61) 413799987 Email: [ekambehl@gmail.com](mailto:ekambehl@gmail.com)

LinkedIn: <https://www.linkedin.com/in/ekambehl/>

GitHub: <https://github.com/EkamBehl/>

## Career Profile

As a Full-Stack Developer, I am skilled in both front-end and back-end development, with experience in languages such as HTML, CSS, JavaScript, Node.js, and Python. I have worked on a range of projects, from full-stack web applications to RESTful API design and development. I am comfortable working with development tools such as Git, GitHub, and Jira, and am familiar with agile development methodologies. I am passionate about solving complex problems and delivering high-quality software solutions and am committed to staying up to date with the latest industry trends and best practices.

## SKILLS

### Front-End:

- Proficient in HTML, CSS, and JavaScript
- Experience with front-end frameworks such as React, Angular, and Vue.js
- Familiarity with responsive design principles and cross-browser compatibility

### Back-End:

- Strong understanding of server-side programming languages such as Node.js, Python, Asp.net Core.
- Experience with database management systems such as MySQL, Firebase, PostgreSQL, MongoDB.
- Familiarity with RESTful API design and development.

### Development Tools:

- Experience with version control tools such as Git and GitHub
- Familiarity with agile development methodologies and project management tools such as Jira

## EDUCATION

July 2019 – March 2023

### Bachelor of Computer Science

Deakin University, Burwood, Melbourne, Victoria

- Core subjects: Artificial Intelligence, Data Analysis, Android development, Full Stack Web development
- Distinction grade

February 2018 - March 2019

### Secondary Education

B.C.M. Arya Model Sr. Sec. School, Ludhiana, Punjab, India

- Core subjects: Physics, Chemistry, Mathematics
- High Distinction grade

## EXPERIENCE

### Computer Vision/Object Detection Intern

November 2022 – February 2023

Deakin University, Burwood, Melbourne

- Developed a project to detect chess pieces.
- Utilized ROS, OpenCV-Python for object detection.
- Worked with cross-functional team to integrate computer vision with a robotic arm.

## Shift Lead

October 2019–Current

Dominos, Richmond, Melbourne

- Troubleshoot online ordering system and application.
- Provide premium customer service by presenting product knowledge.
- Introduced ways to boost sales by \$5000 per week.
- Ensured smooth operation of the store.

## PROJECTS

Also Available at : <https://github.com/EkamBehl/>.

**Robot Controller API** | C#, ASP.NET, Swagger, ADO.NET, PostgreSQL, Postman

- Developed a REST API for managing traversal of a rover around a given map.
- Conducted testing of the API implementation with help of Postman to ensure performance and reliability.
- Utilized Swagger to design, document the API.

**React Website** | React.js, Html, CSS, JavaScript, Firebase, Node.js, Netlify.

- Implemented a functional website using React.js and Node.js.
- Hosted the website by employing GitHub and Netlify.
- Website: <https://legendary-dusk-880f9f.netlify.app/>

**Chess Detection** | ROS 2, Ubuntu, GitHub, OpenCV-python, Oculus SDK, Unity, intel-real sense SDK

- Implemented a fully functional chess piece detection system.
- Implemented computer vision using OpenCV-python to detect chess pieces.
- Utilized python chess library to get recommended moves based on board state.
- Integrated Oculus SDK to get move recommendation projected on the VR headset.

**AI Heart Disease Predictor** | Python, Seaborn, NumPy, Pandas, SciKit-Learn, Matplotlib

- Created a data pipeline to process data and built models of logistic regression, random forest, decision tree, kNN, SVM, XGBoost, and Naïve Bayes.
- Performed multiple models' accuracy improvements process which resulted in 89% accuracy on the test set.

## REFEREES

Available upon request.