Denied Access
Project Summary

TEAM MEMBERS:

Anru Nel
Joshua Young
Leonardo Wessels
Thebe Kgaphola
Tshegofatsho Motlatle

GRID·WATCH

With Epi-use

A practical solution to municipal issues

What we'll show

| Our Team | Project Introduction | Architectural Structure | Technologies | AI |

Our Team

Leonardo
Wessels

Tshegofatsho
Motlatle

Thebe
Kgaphola

Joshua
Young

Anru
Nel

GRID•WATCH

A system for everyone

Report with municipal issues

Community Collaboration

The public is always kept up to date

We have developed 3 applications to serve this process

...

Citizens ⇄ **Administrators** ⇄ **Technicians**

Ticket ⟶ Dispatch ⟶ Work

Update

Citizen

- View the home page

- View tickets around them

- Create tickets and get updated on their status

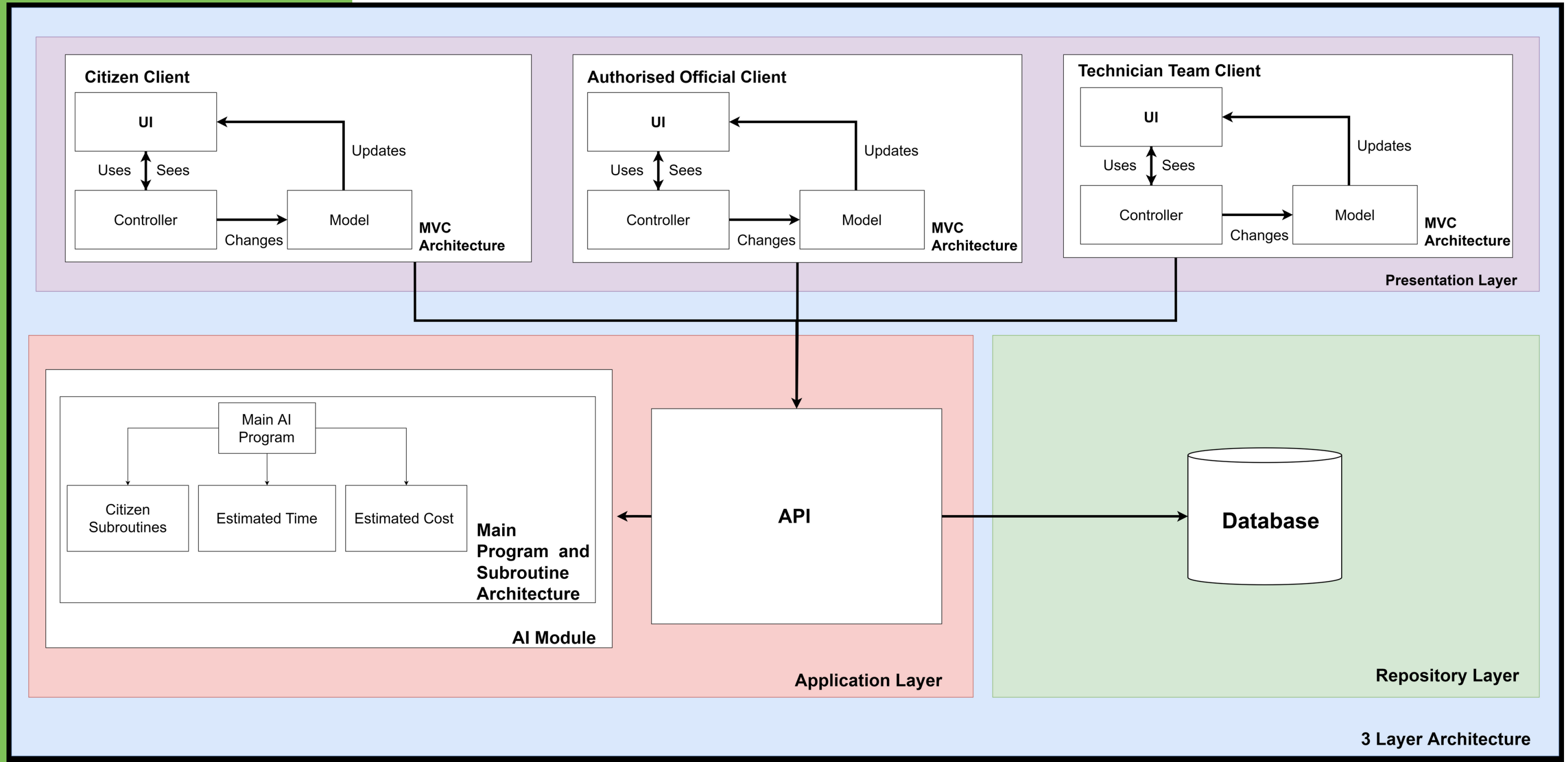- View tickets you have created

Administrator

- View ticket statistics in a variety of ways

- View and then dispatch tickets to technicians

- At a glance technician page

- Admin customisation

Technicians

- View current tickets which can be accepted

- Manage tickets which have been accepted

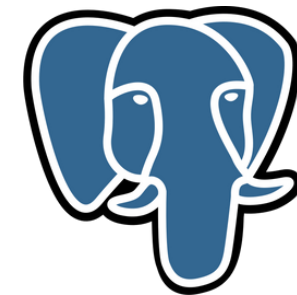- Accept new tickets

Architectural Diagram

Pattern Diagram

AngularJS

NestJS

PostGresQL

Azure

Our Choices

Threshold & Variance
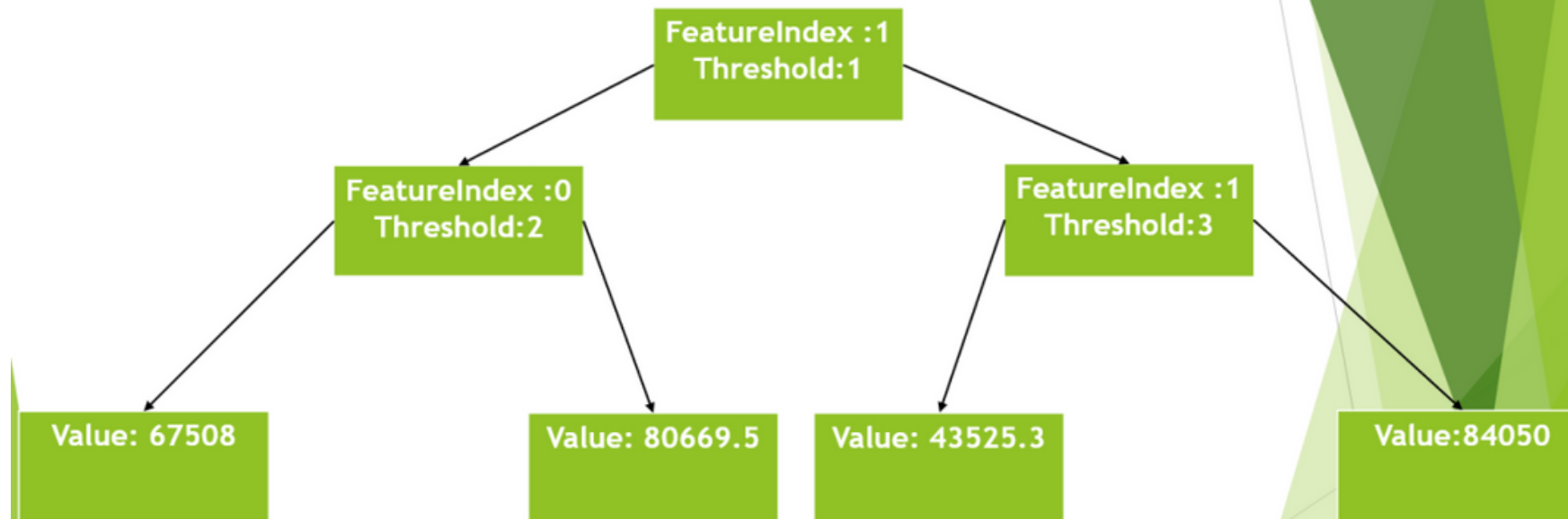
AI

Dataset

FeatureIndex :1
Threshold:1

Assigned Tech Team	Ticket Type	Ticket City	Ticket Upvotes	Expected Values
2	1	2	3	67508
5	1	20	40	84819
5	0	15	21	76520

Assigned Tech Team	Ticket Type	Ticket City	Ticket Upvotes	Expected Values
1	3	5	10	41818
1	4	8	20	84050
4	2	10	40	37094
3	2	0	25	51664

Decision Tree

FeatureIndex :1
Threshold:1

FeatureIndex :0
Threshold:2

FeatureIndex :1
Threshold:3

Value: 67508

Value: 80669.5

Value: 43525.3

Value:84050

Decision Tree

THANK
YOU!