

Cosmic Watch API

Official API for Cosmic Watch Hackathon Project.

Features NASA Data integration, User Authentication, and Gemini AI-powered Asteroid Risk Analysis.

Auth

POST Register User

<http://localhost:5000/api/auth/register>

HEADERS

Content-Type application/json

Body [raw](#)

```
{  
  "username": "star_gazer",  
  "email": "judge@cosmic.com",  
  "password": "password123"  
}
```

POST Login User

<http://localhost:5000/api/auth/login>

HEADERS

Content-Type application/json

Body raw

```
    "email": "judge@cosmic.com",  
    "password": "password123"  
}
```

Asteroids

GET Get Feed (Risk Engine)

<http://localhost:5000/api/asteroids>

AI Intelligence

POST Get AI Risk Analysis

<http://localhost:5000/api/asteroid/summary>

Sends asteroid data to Google Gemini to generate a military-style mission report.

HEADERS

Content-Type application/json

Body raw

```
{  
  "name": "2024 XK (Simulated)",  
  "size": "0.45",  
  "speed": "25000",  
  "distance": "120000",  
}
```

```
  "risk": "Critical"
```

```
}
```

User Profile

GET Get Profile

<http://localhost:5000/api/user/profile>

HEADERS

Authorization Bearer {{token}}

POST Add Watch Item

<http://localhost:5000/api/user/watch>

HEADERS

Content-Type application/json

Authorization Bearer {{token}}

Body raw

```
{  
  "asteroidId": "3542519"  
}
```